

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063150.D
 Acq On : 31 Aug 2020 14:11
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:16 AM

Quant Time: Sep 01 03:11:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	409186	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	793487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	739856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	341108	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	355184	59.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.64%	
35) Dibromofluoromethane	7.55	113	266725	41.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.12%	
50) Toluene-d8	10.06	98	1021527	43.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.22%	
62) 4-Bromofluorobenzene	12.38	95	363186	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203379	45.916	ug/l	100
3) Chloromethane	2.03	50	289788	50.690	ug/l	100
4) Vinyl Chloride	2.17	62	336263	54.524	ug/l	100
5) Bromomethane	2.54	94	283908	66.909	ug/l	100
6) Chloroethane	2.68	64	282188	66.393	ug/l	100
7) Trichlorofluoromethane	2.98	101	483917	56.490	ug/l	100
8) Diethyl Ether	3.37	74	156829	53.525	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	229042	45.245	ug/l	100
10) Methyl Iodide	3.92	142	324217	48.207	ug/l	100
11) Tert butyl alcohol	4.73	59	229162	453.711	ug/l	100
12) 1,1-Dichloroethene	3.70	96	235779	51.959	ug/l	100
13) Acrolein	3.57	56	80556	302.417	ug/l	100
14) Allyl chloride	4.28	41	443782	60.362	ug/l	100
15) Acrylonitrile	4.93	53	613889	327.322	ug/l	100
16) Acetone	3.77	43	511576	323.541	ug/l	100
17) Carbon Disulfide	4.01	76	691401	50.889	ug/l	100
18) Methyl Acetate	4.28	43	270374	47.922	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	894270	68.179	ug/l	100
20) Methylene Chloride	4.50	84	284068	50.134	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	269939	55.633	ug/l	100
22) Diisopropyl ether	5.90	45	962436	64.076	ug/l	100
23) Vinyl Acetate	5.84	43	4079931	371.582	ug/l	100
24) 1,1-Dichloroethane	5.80	63	524860	55.345	ug/l	100
25) 2-Butanone	6.78	43	837750	365.512	ug/l	100
26) 2,2-Dichloropropane	6.78	77	453607	60.159	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	317594	59.158	ug/l	100
28) Bromochloromethane	7.15	49	278858	63.814	ug/l	100
29) Tetrahydrofuran	7.16	42	569962	390.690	ug/l	100
30) Chloroform	7.33	83	545816	55.996	ug/l	100
31) Cyclohexane	7.61	56	448248	50.578	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	481231	56.792	ug/l	100
36) 1,1-Dichloropropene	7.75	75	398864	45.992	ug/l	100
37) Ethyl Acetate	6.88	43	384718	61.056	ug/l	100
38) Carbon Tetrachloride	7.74	117	406008	43.655	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
 Data File : VN063150.D
 Acq On : 31 Aug 2020 14:11
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:16 AM

Quant Time: Sep 01 03:11:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 02:43:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	448477	49.432	ug/l	100
40) Benzene	8.00	78	1194979	45.171	ug/l	100
41) Methacrylonitrile	7.13	41	178804	57.070	ug/l	100
42) 1,2-Dichloroethane	8.08	62	445934	49.860	ug/l	100
43) Isopropyl Acetate	8.13	43	683596	61.973	ug/l	100
44) Trichloroethene	8.80	130	288862	42.039	ug/l	100
45) 1,2-Dichloropropane	9.08	63	312873	43.942	ug/l	100
46) Dibromomethane	9.17	93	212681	47.573	ug/l	100
47) Bromodichloromethane	9.37	83	453750	48.865	ug/l	100
48) Methyl methacrylate	9.17	41	318305	58.444	ug/l	100
49) 1,4-Dioxane	9.17	88	94241	1218.500	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1943761	316.557	ug/l	100
52) Toluene	10.13	92	747481	47.487	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	517124	55.311	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	526190	51.744	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	288293	44.152	ug/l	100
56) Ethyl methacrylate	10.40	69	450838	57.783	ug/l	100
57) 1,3-Dichloropropane	10.68	76	519334	49.908	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1154155	319.079	ug/l	100
59) 2-Hexanone	10.72	43	1397348	335.339	ug/l	100
60) Dibromochloromethane	10.87	129	325116	45.574	ug/l	100
61) 1,2-Dibromoethane	10.98	107	306304	49.770	ug/l	100
64) Tetrachloroethene	10.60	164	263324	40.653	ug/l	100
65) Chlorobenzene	11.41	112	786512	43.209	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	300750	42.581	ug/l	100
67) Ethyl Benzene	11.49	91	1470546	49.302	ug/l	100
68) m/p-Xylenes	11.59	106	1081171	96.713	ug/l	100
69) o-Xylene	11.92	106	525340	48.771	ug/l	100
70) Styrene	11.94	104	910845	51.948	ug/l	100
71) Bromoform	12.10	173	206786	41.686	ug/l	# 100
73) Isopropylbenzene	12.23	105	1418214	53.893	ug/l	100
74) N-amyl acetate	12.05	43	607455	71.059	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	406653	51.209	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	360395m	54.656	ug/l	
77) Bromobenzene	12.50	156	311945	44.127	ug/l	100
78) n-propylbenzene	12.57	91	1663944	55.505	ug/l	100
79) 2-Chlorotoluene	12.65	91	972890	53.023	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1173724	55.674	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	149023	67.624	ug/l	100
82) 4-Chlorotoluene	12.75	91	1014132	54.893	ug/l	100
83) tert-Butylbenzene	12.97	119	993175	53.872	ug/l	100
84) 1,2,4-Trimethylbenzene	13.02	105	1185886	55.697	ug/l	100
85) sec-Butylbenzene	13.15	105	1344996	55.087	ug/l	100
86) p-Isopropyltoluene	13.27	119	1207289	57.655	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	584392	47.105	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	597239	47.679	ug/l	100
89) n-Butylbenzene	13.59	91	1095066	62.146	ug/l	100
90) Hexachloroethane	13.85	117	214682	46.170	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	575303	47.131	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	87583	66.900	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083120\
Data File : VN063150.D
Acq On : 31 Aug 2020 14:11
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

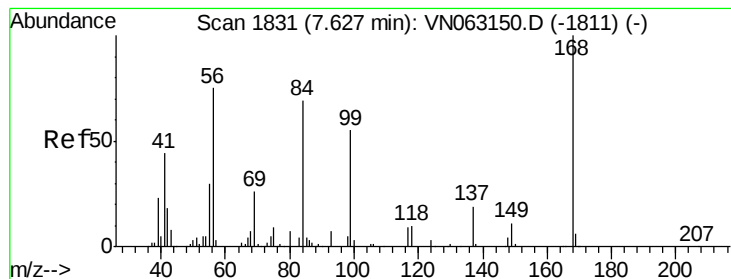
Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM

Quant Time: Sep 01 03:11:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 01 02:43:43 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	315531	55.796	ug/l	100
94) Hexachlorobutadiene	14.98	225	113131	29.721	ug/l	100
95) Naphthalene	15.11	128	1122304	81.454	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	300346	51.343	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 409186

Ion Ratio Lower Upper

168 100

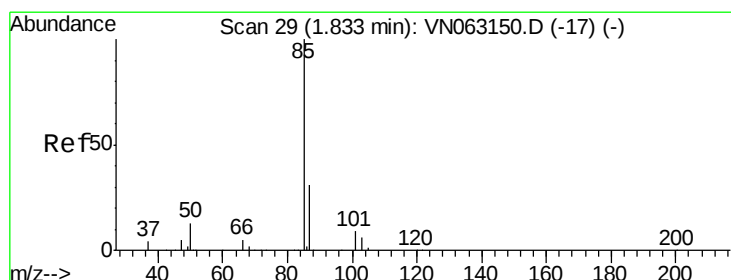
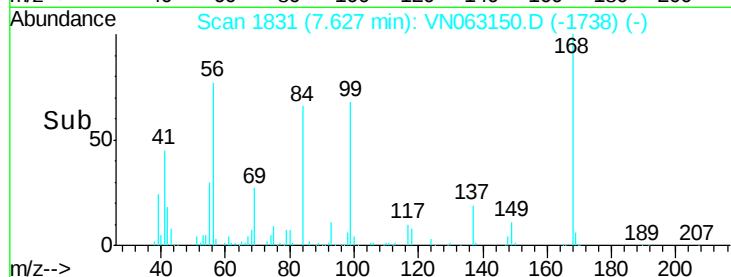
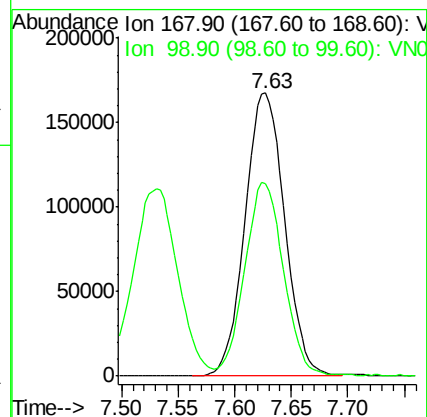
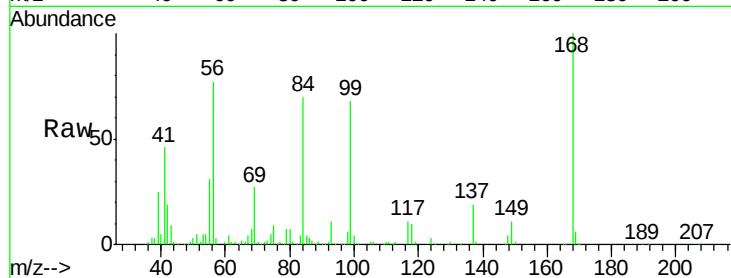
99 67.7 54.2 81.2

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:16 AM



#2

Dichlorodifluoromethane

Concen: 45.916 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063150.D

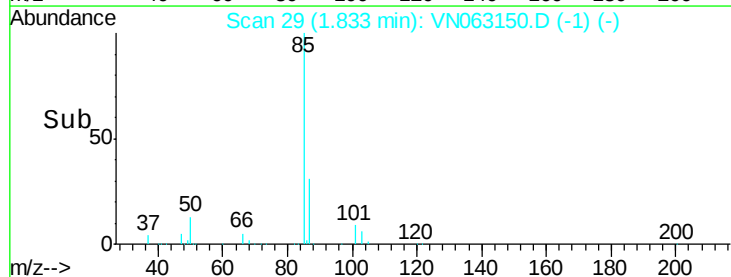
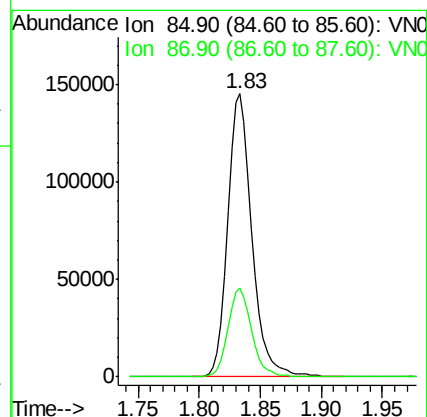
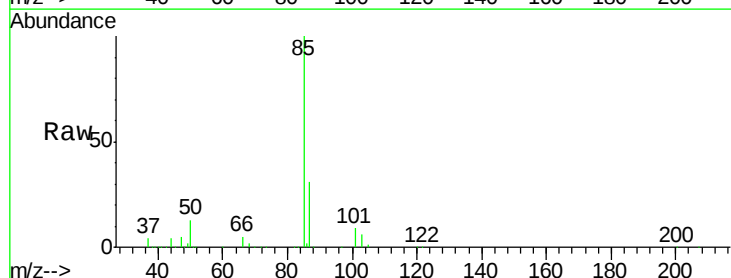
Acq: 31 Aug 2020 14:11

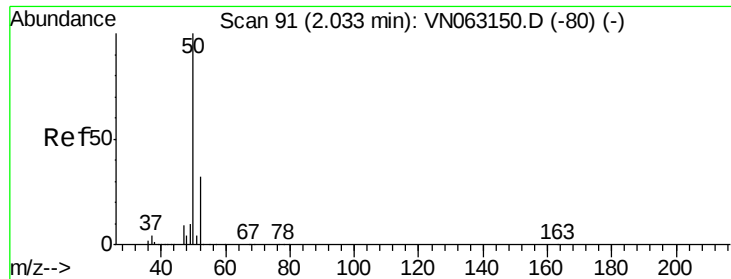
Tgt Ion: 85 Resp: 203379

Ion Ratio Lower Upper

85 100

87 31.2 15.6 46.8





#3

Chloromethane

Concen: 50.690 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 289788

Ion Ratio Lower Upper

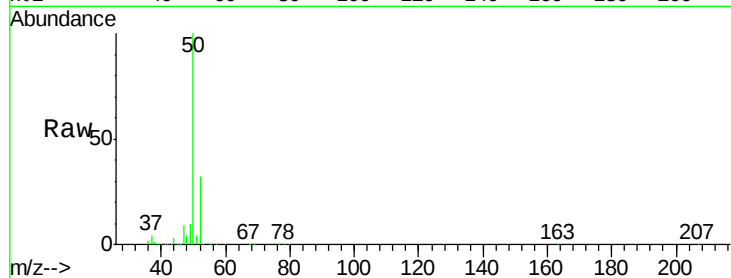
50 100

52 32.2 25.8 38.6

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 49.90 (49.60 to 50.60): VN063150.D (-80) (-)

Ion 51.90 (51.60 to 52.60): VN063150.D (-80) (-)

2.03

200000

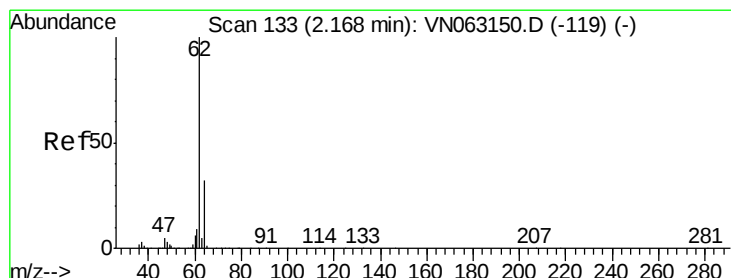
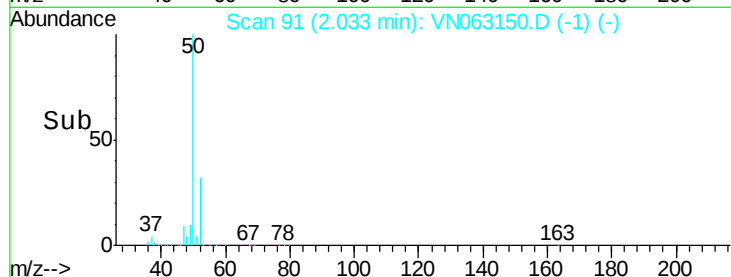
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 54.524 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063150.D

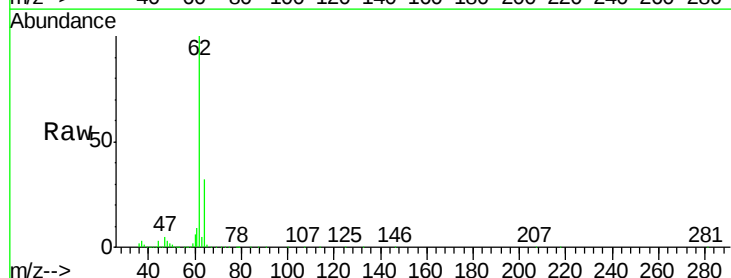
Acq: 31 Aug 2020 14:11

Tgt Ion: 62 Resp: 336263

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VN063150.D (-119) (-)

Ion 63.90 (63.60 to 64.60): VN063150.D (-119) (-)

2.17

250000

200000

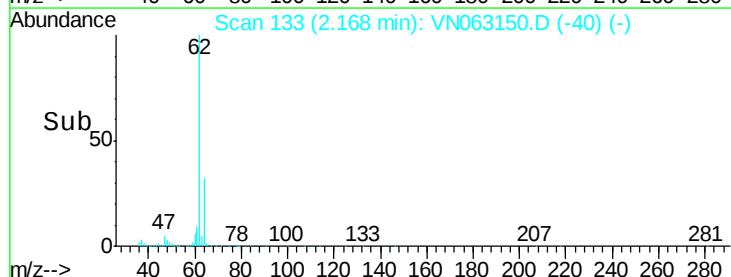
150000

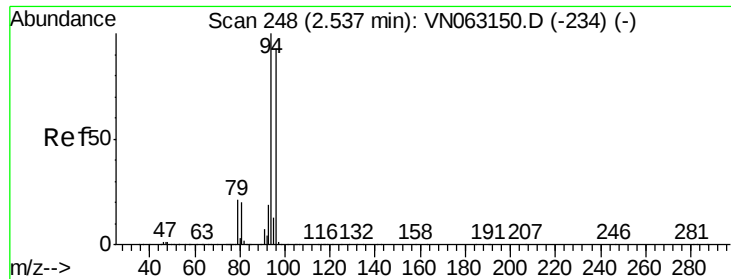
100000

50000

0

Time-->





#5

Bromomethane

Concen: 66.909 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 283908

Ion Ratio Lower Upper

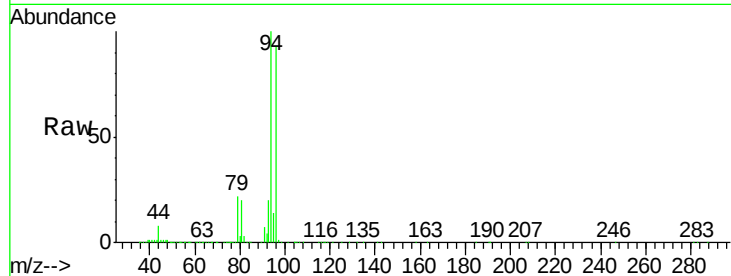
94 100

96 93.0 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 93.90 (93.60 to 94.60): VN063150.D (-234) (-)

Ion 95.90 (95.60 to 96.60): VN063150.D (-234) (-)

2.54

150000

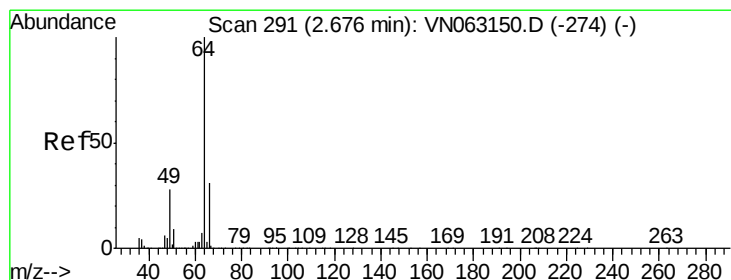
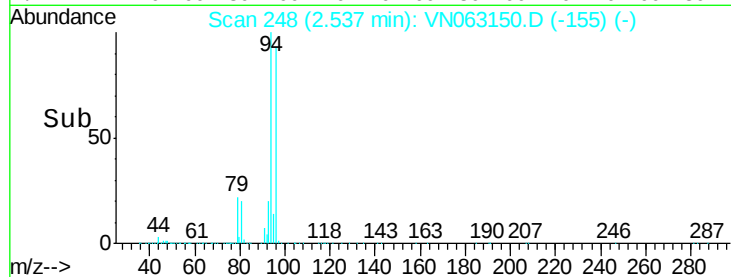
100000

50000

0

2.45 2.50 2.55 2.60 2.65

Time-->



#6

Chloroethane

Concen: 66.393 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN063150.D

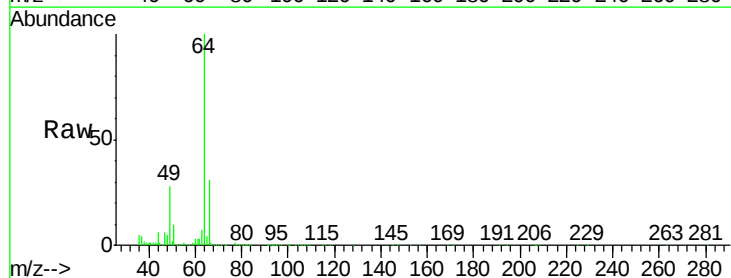
Acq: 31 Aug 2020 14:11

Tgt Ion: 64 Resp: 282188

Ion Ratio Lower Upper

64 100

66 30.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN063150.D (-274) (-)

Ion 65.90 (65.60 to 66.60): VN063150.D (-274) (-)

2.68

150000

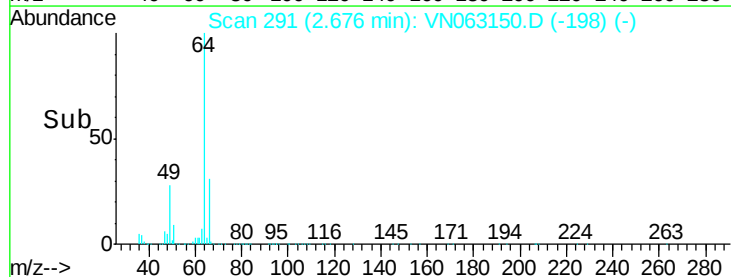
100000

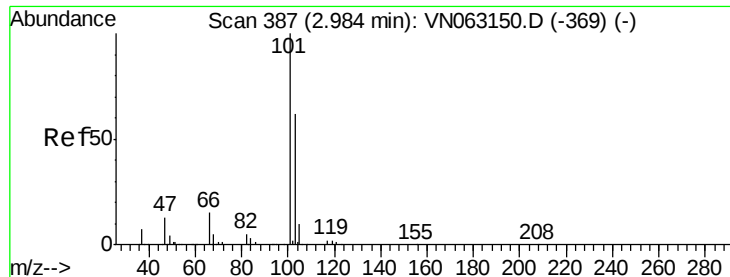
50000

0

2.60 2.70 2.80

Time-->





#7

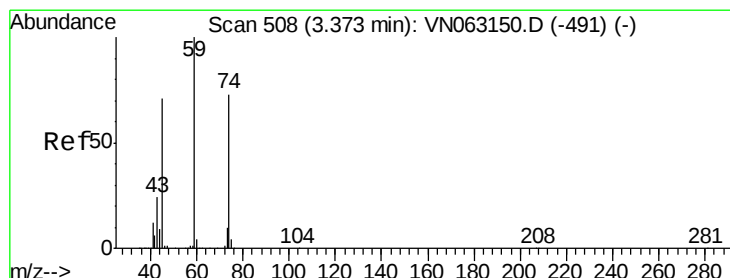
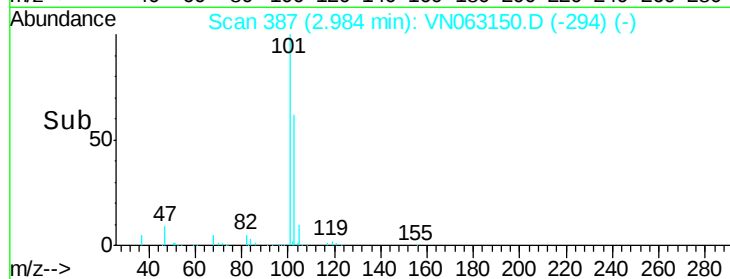
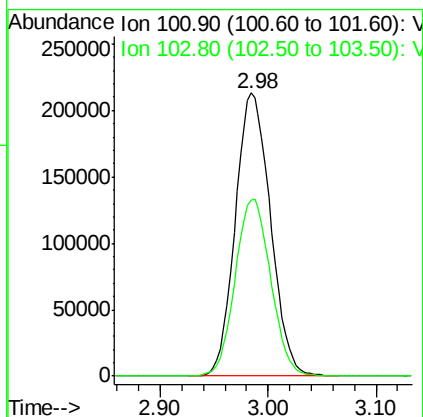
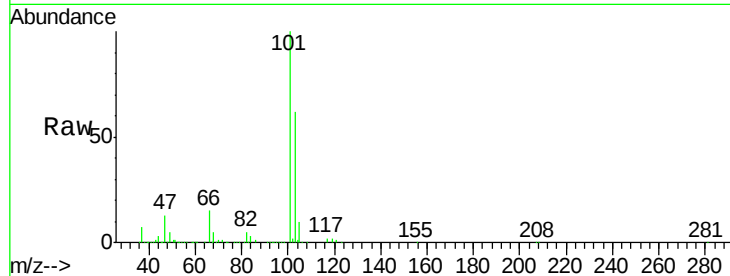
Trichlorofluoromethane
Concen: 56.490 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		483917		
103	62.1	49.7	74.5		

Manual Integrations
APPROVED

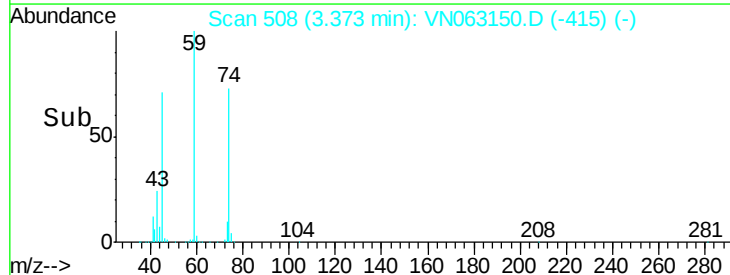
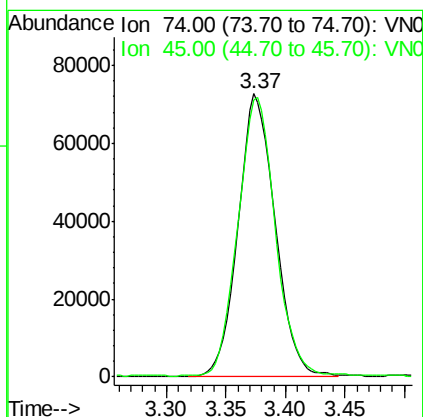
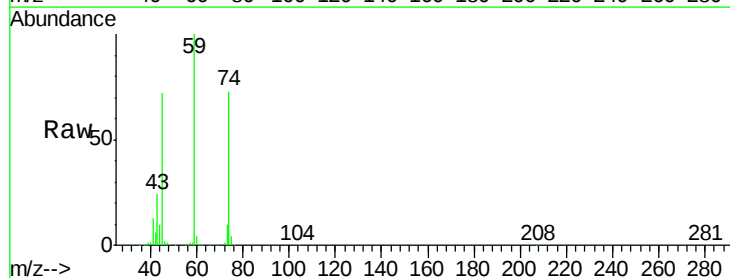
MMDadoda
9/1/2020 9:07:16 AM

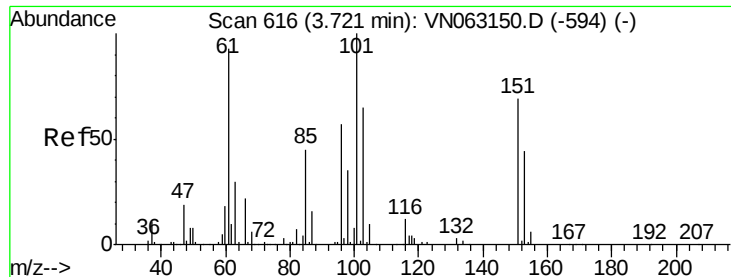


#8

Diethyl Ether
Concen: 53.525 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		156829		
45	99.0	49.5	148.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.245 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

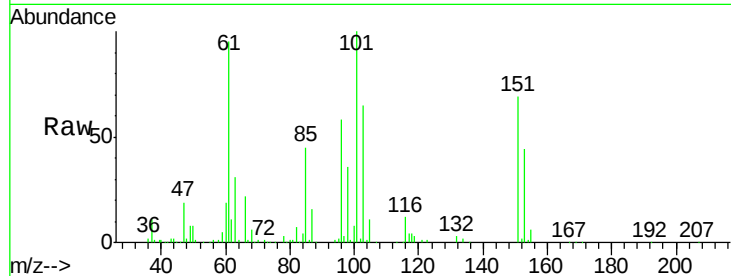
ClientSampled :

VSTDICCC050

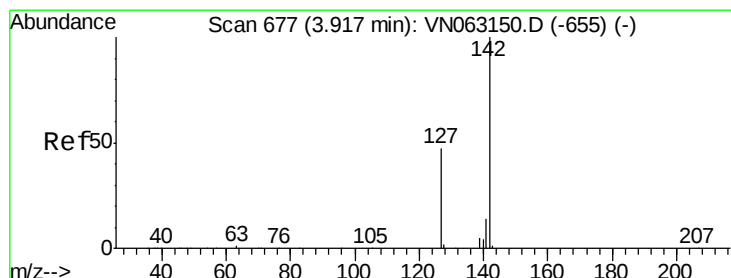
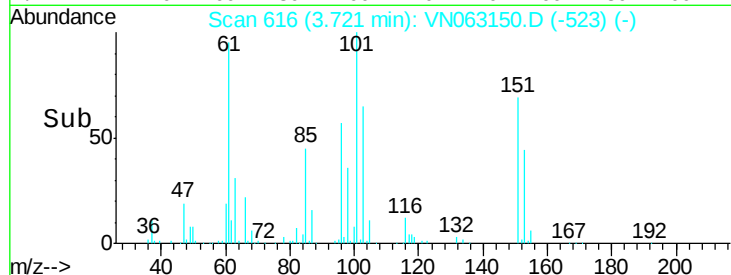
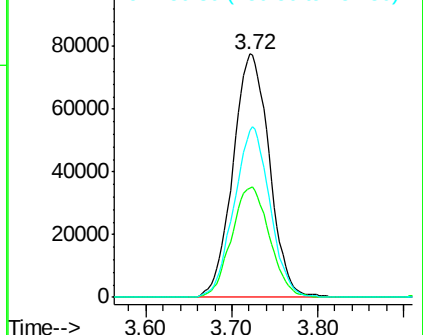
Tot Ion:	101	Resp:	229042
Ion Ratio	Lower	Upper	
101	100		
85	47.3	37.8	56.8
151	68.7	55.0	82.4

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.207 ug/l

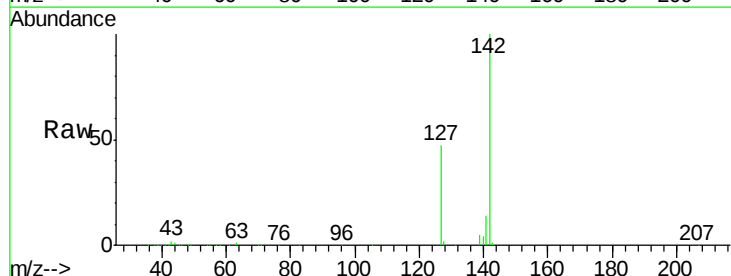
RT: 3.92 min Scan# 677

Delta R.T. 0.00 min

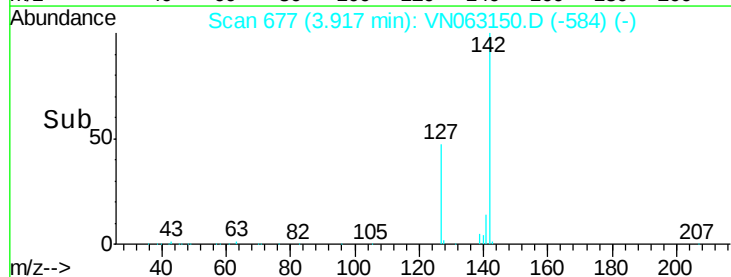
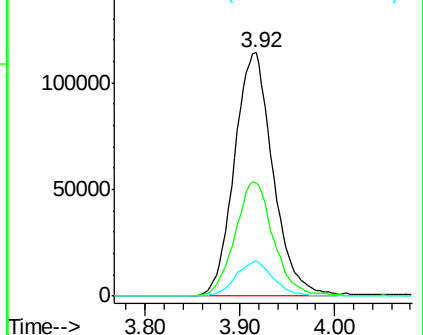
Lab File: VN063150.D

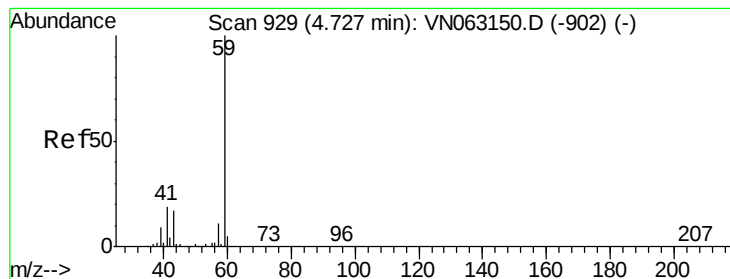
Acq: 31 Aug 2020 14:11

Tgt Ion:	142	Resp:	324217
Ion Ratio	Lower	Upper	
142	100		
127	47.0	37.6	56.4
141	14.1	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

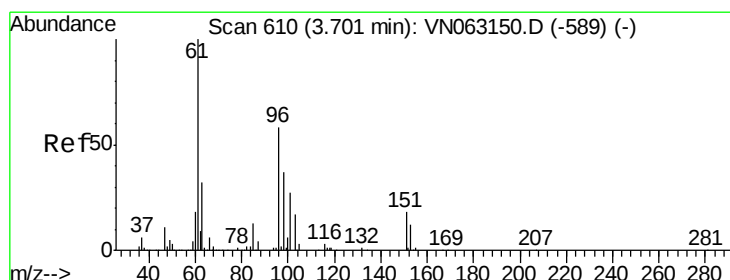
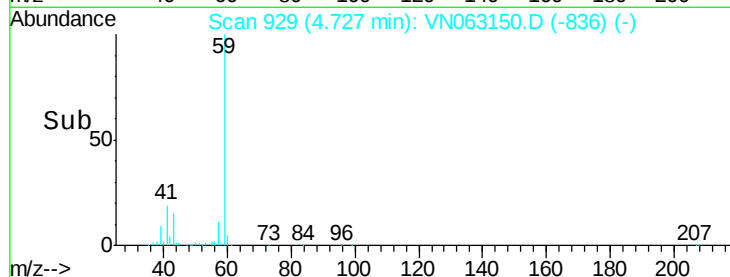
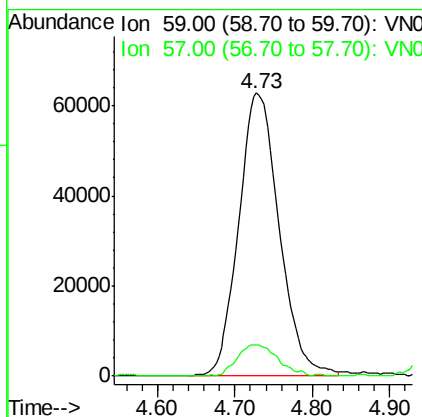
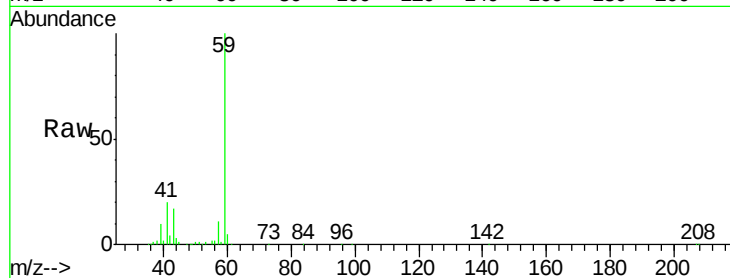
Tert butyl alcohol
Concen: 453.711 ug/l
RT: 4.73 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

Manual Integrations
APPROVED

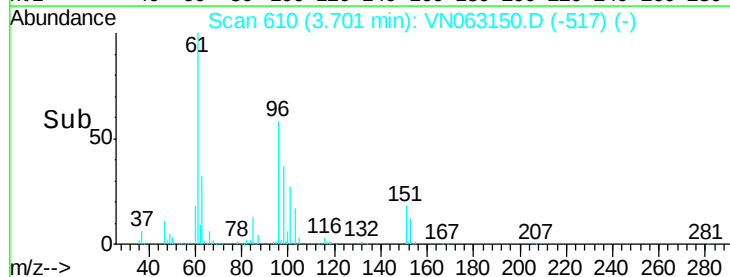
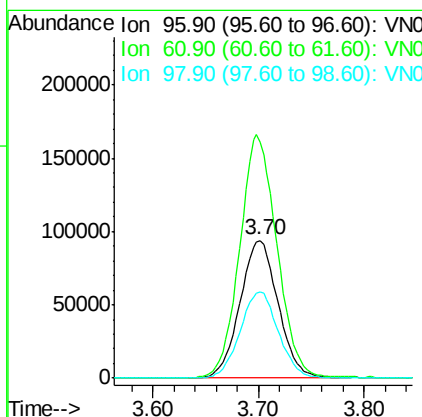
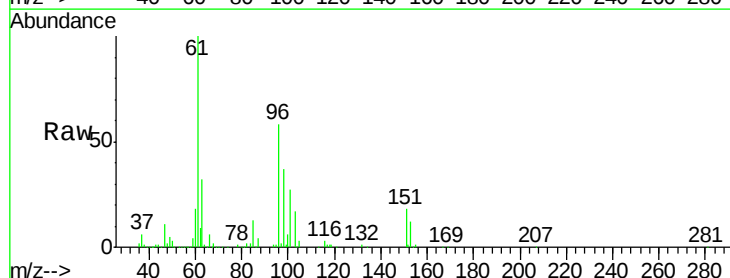
MMDadoda
9/1/2020 9:07:16 AM

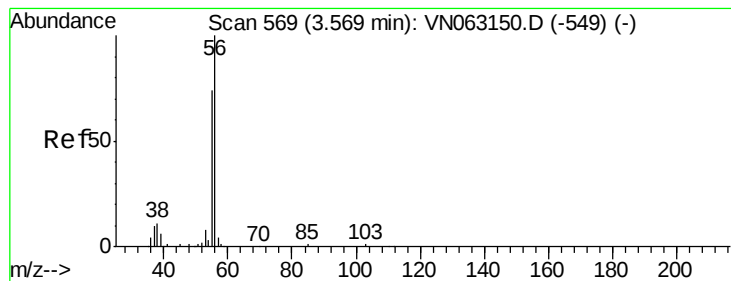


#12

1,1-Dichloroethene
Concen: 51.959 ug/l
RT: 3.70 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	137.4	206.2
98	63.1	50.5	75.7





#13

Acrolein

Concen: 302.417 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 80556

Ion Ratio Lower Upper

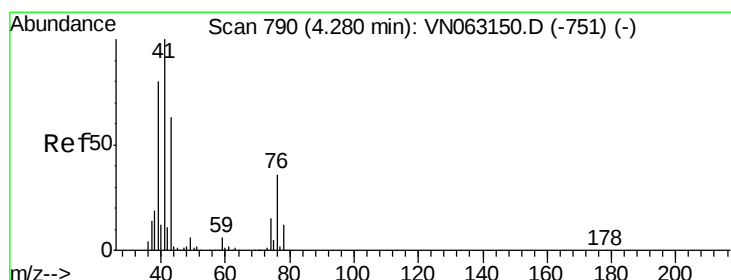
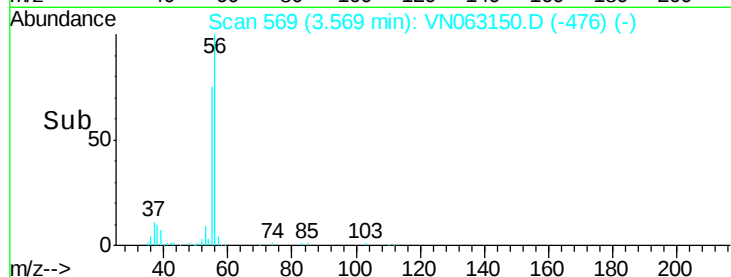
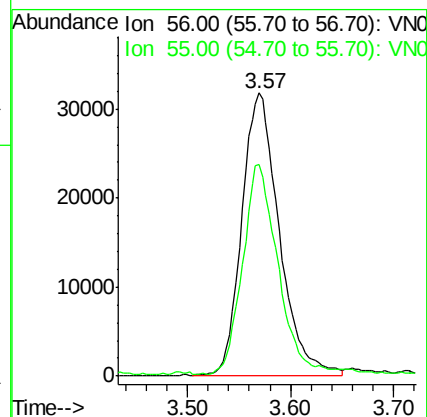
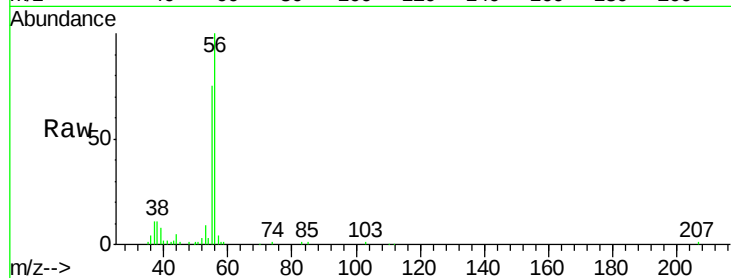
56 100

55 69.2 55.4 83.0

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



#14

Allyl chloride

Concen: 60.362 ug/l

RT: 4.28 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

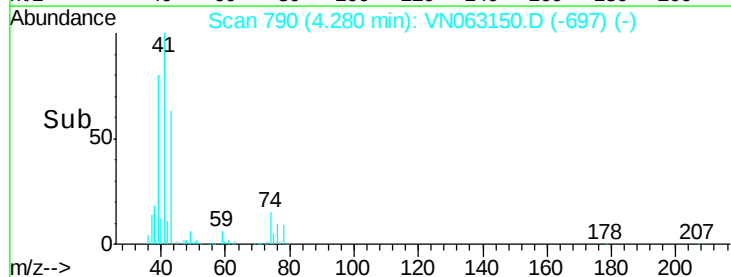
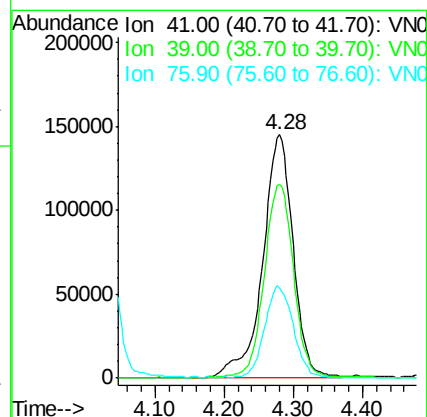
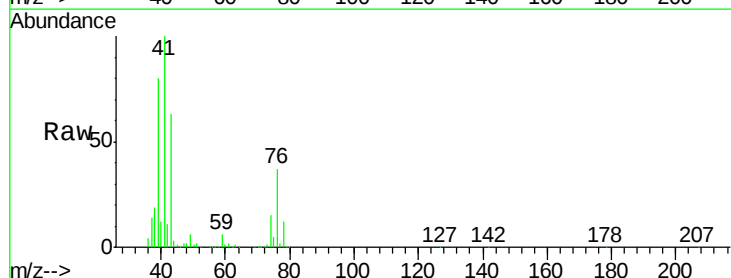
Tgt Ion: 41 Resp: 443782

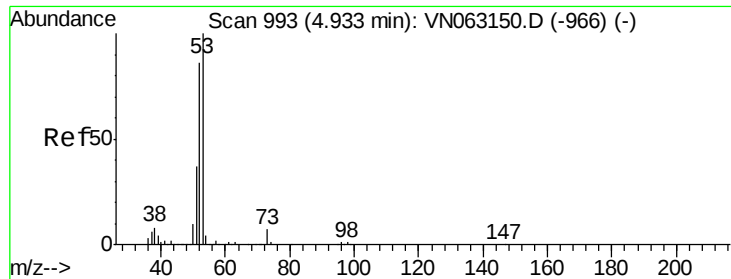
Ion Ratio Lower Upper

41 100

39 75.2 60.2 90.2

76 34.6 27.7 41.5





#15

Acrylonitrile

Concen: 327.322 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

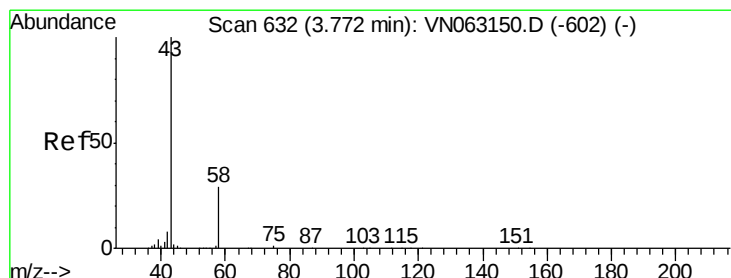
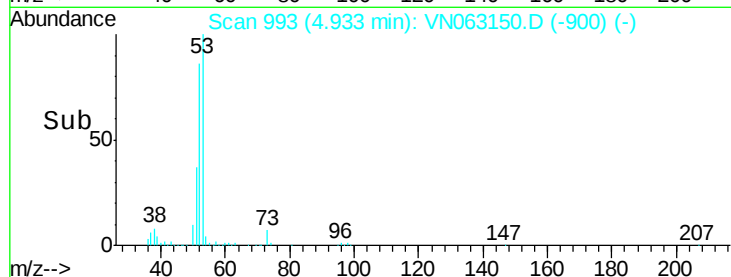
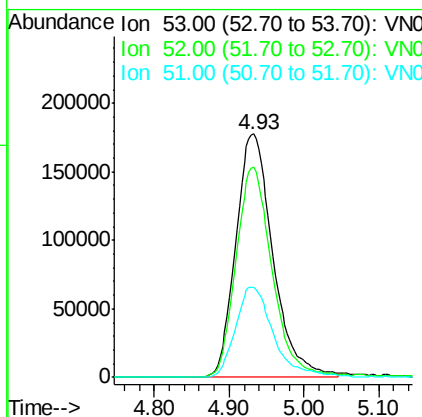
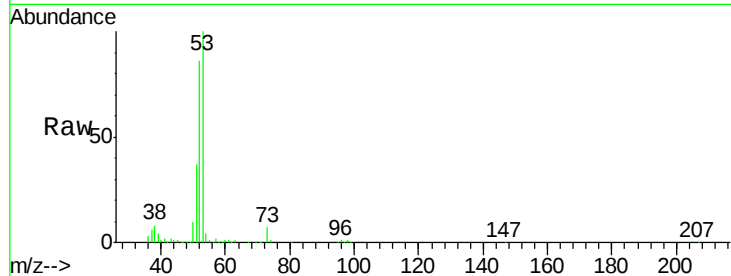
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	613889
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.2	100.8
51	37.8	30.2	45.4

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM



#16

Acetone

Concen: 323.541 ug/l

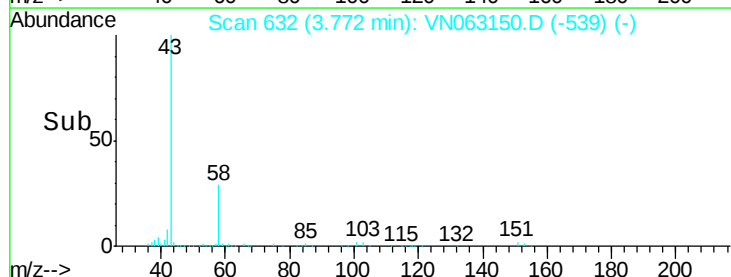
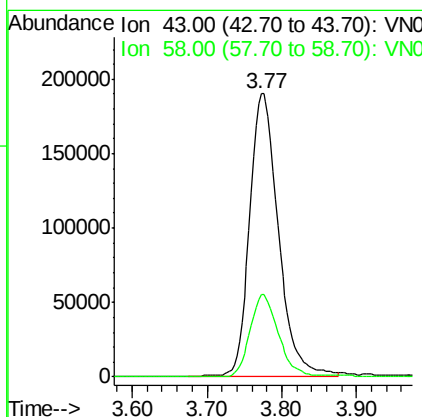
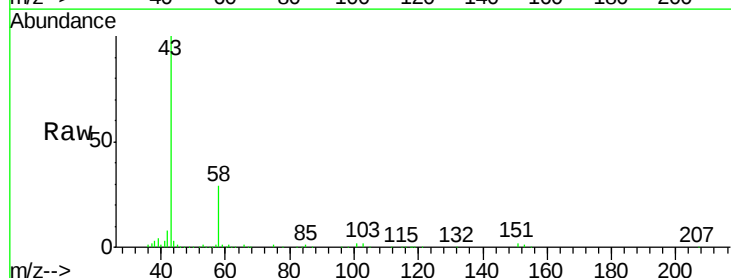
RT: 3.77 min Scan# 632

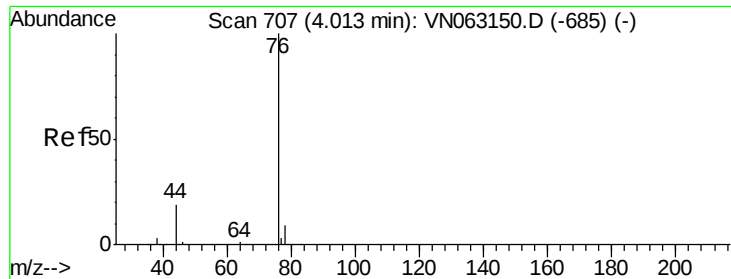
Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Tgt Ion:	43	Resp:	511576
Ion	Ratio	Lower	Upper
43	100		
58	28.9	23.1	34.7





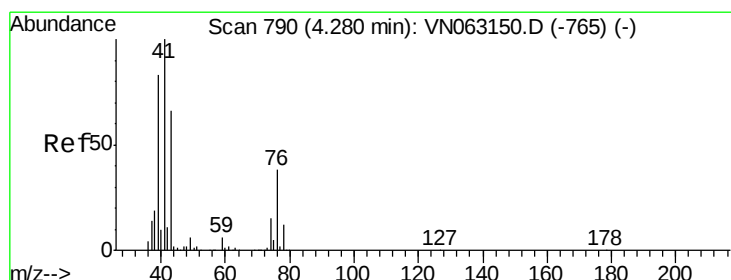
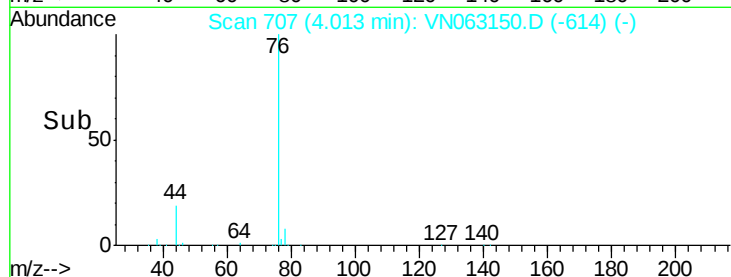
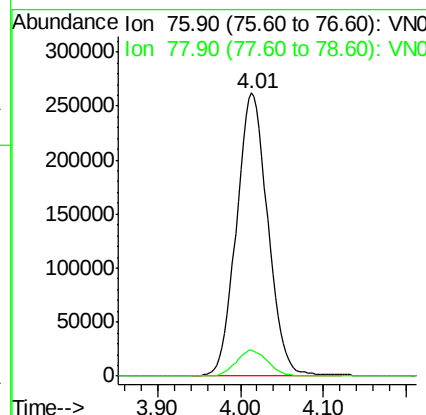
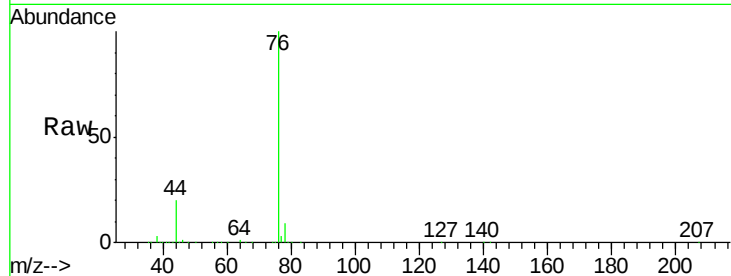
#17
Carbon Disulfide
Concen: 50.889 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

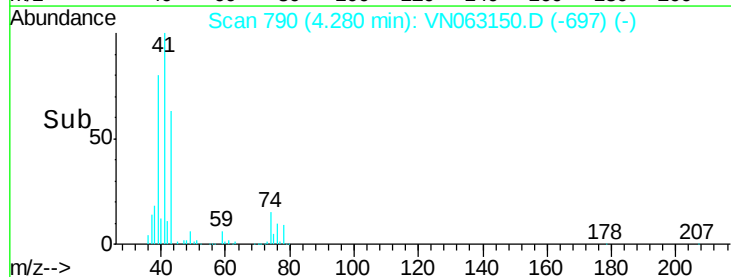
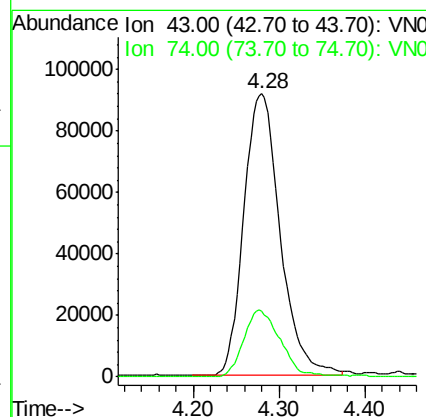
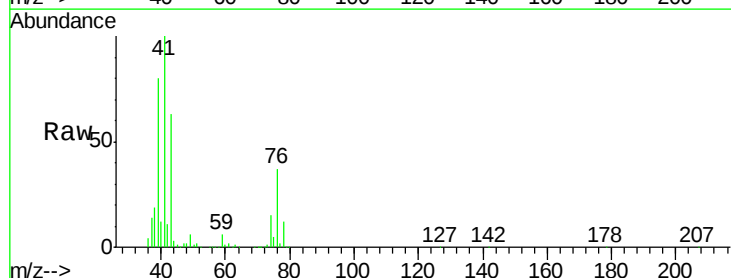
Manual Integrations
APPROVED

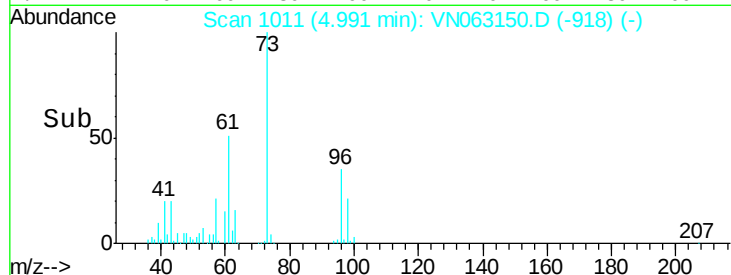
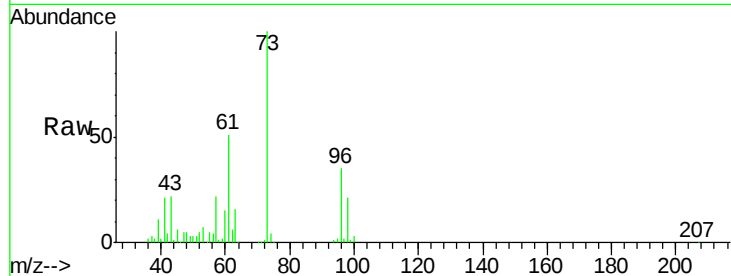
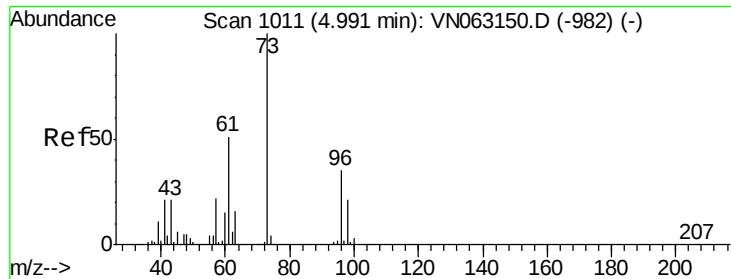
MMDadoda
9/1/2020 9:07:16 AM



#18
Methyl Acetate
Concen: 47.922 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.0	28.6





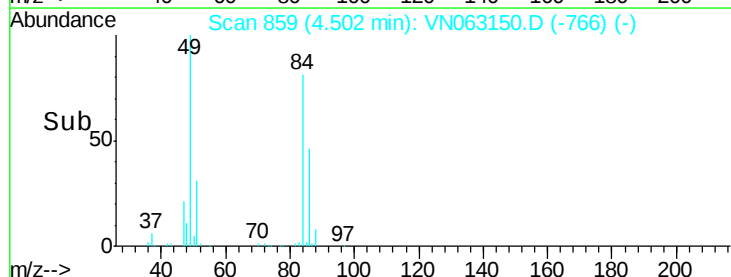
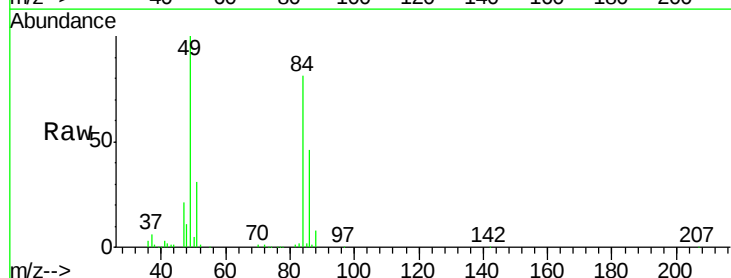
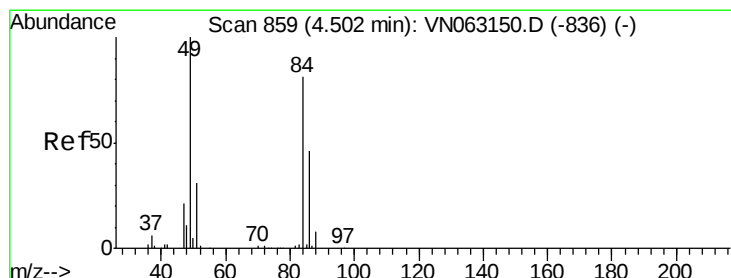
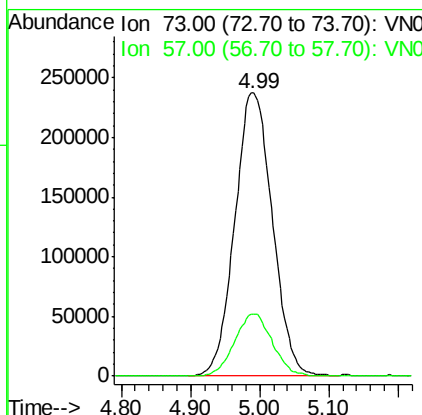
#19
Methvl tert-butvl Ether
Concen: 68.179 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tot Ion: 73 Resp: 894270
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

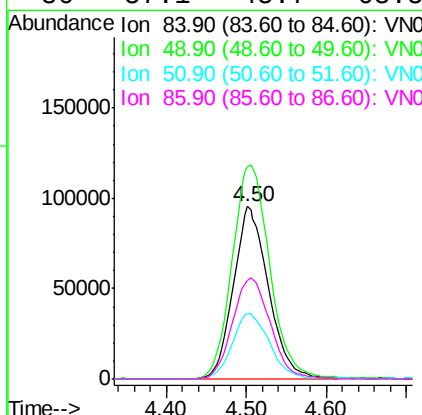
Manual Integrations
APPROVED

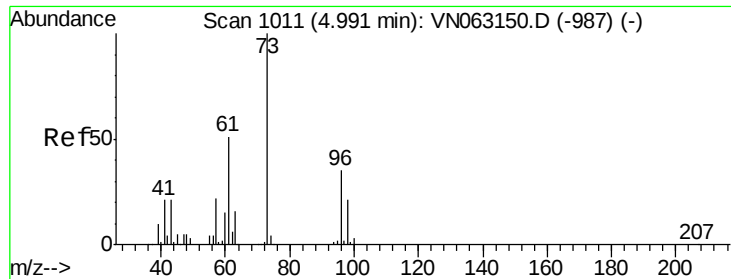
MMDadoda
9/1/2020 9:07:16 AM



#20
Methylene Chloride
Concen: 50.134 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion: 84 Resp: 284068
Ion Ratio Lower Upper
84 100
49 123.0 98.4 147.6
51 38.0 30.4 45.6
86 57.1 45.7 68.5





#21

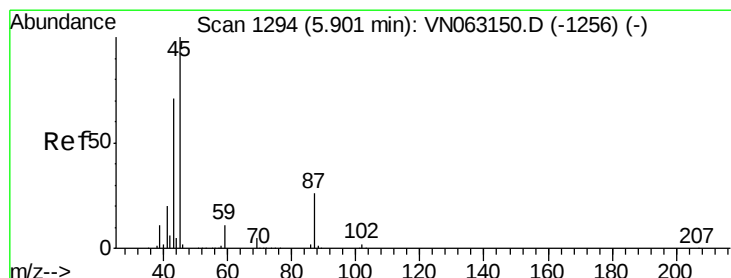
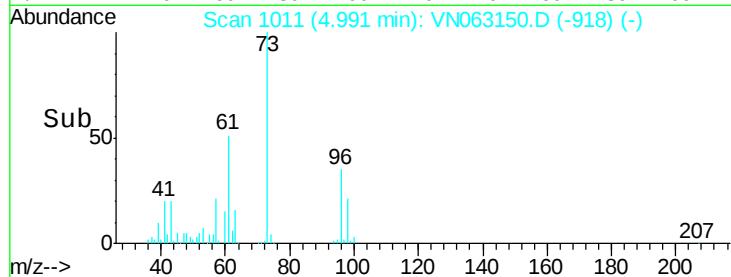
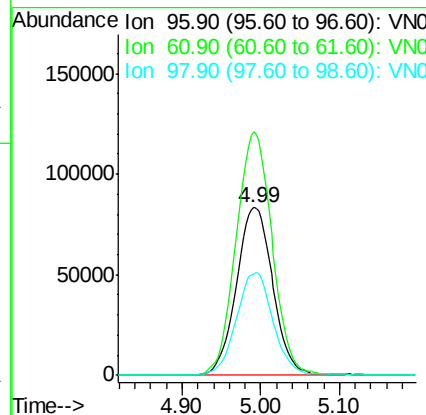
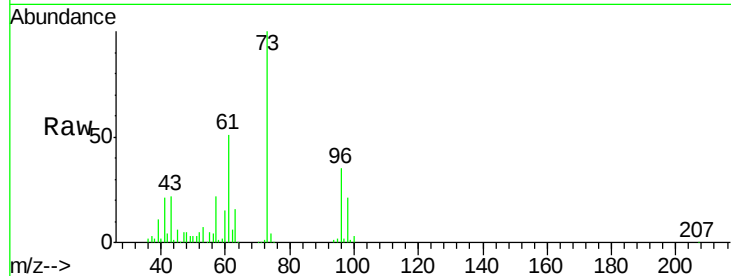
trans-1,2-Dichloroethene
Concen: 55.633 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.3	116.2	174.4
98	60.0	48.0	72.0

Manual Integrations
APPROVED

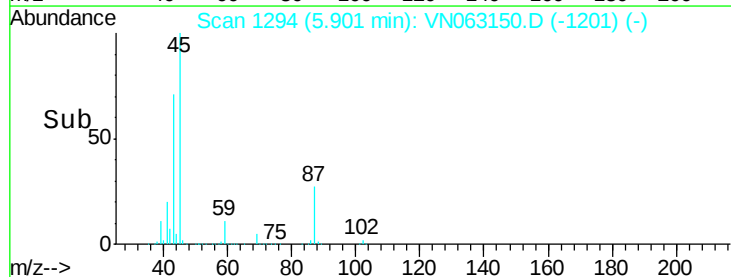
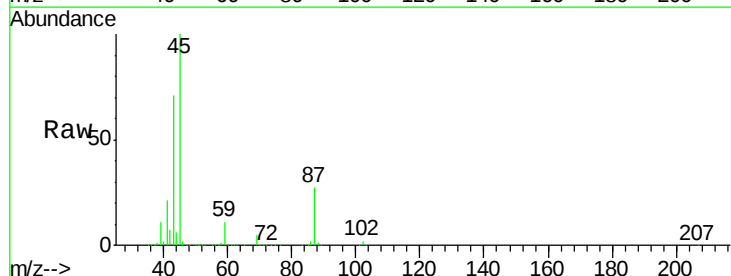
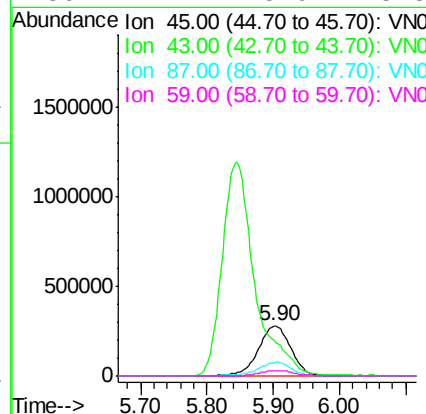
MMDadoda
9/1/2020 9:07:16 AM

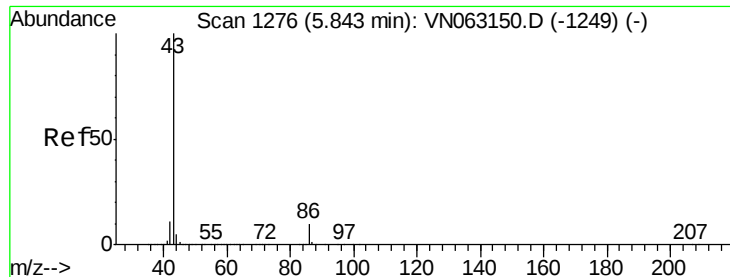


#22

Diisopropyl ether
Concen: 64.076 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.0	56.8	85.2
87	26.4	21.1	31.7
59	11.1	8.9	13.3





#23

Vinyl Acetate

Concen: 371.582 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 4079931

Ion Ratio Lower Upper

43 100

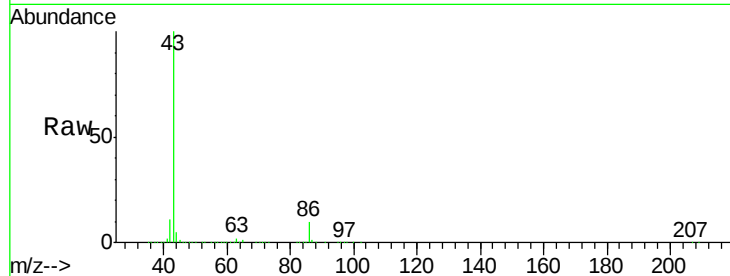
86 10.4 8.3 12.5

Manual Integrations

APPROVED

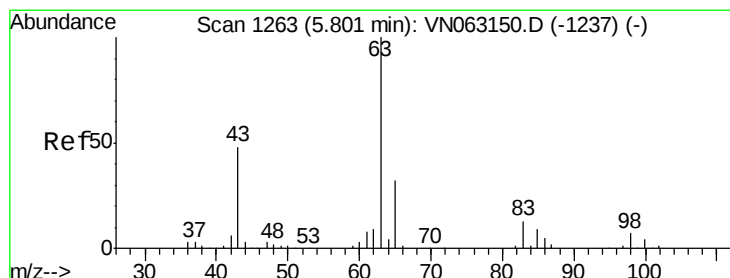
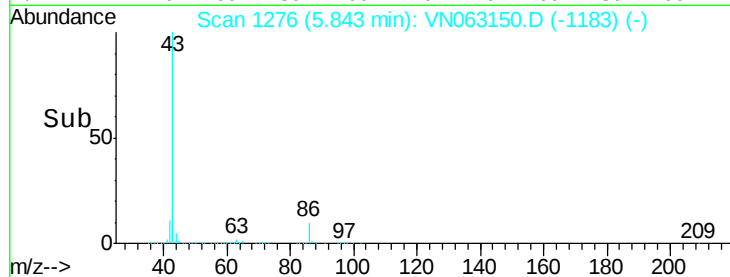
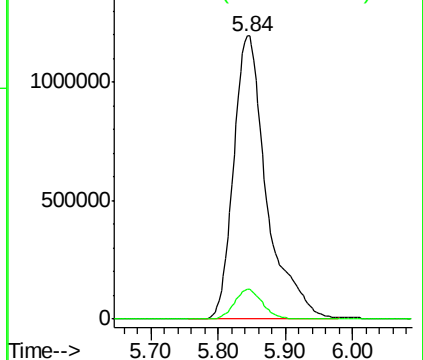
MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 55.345 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

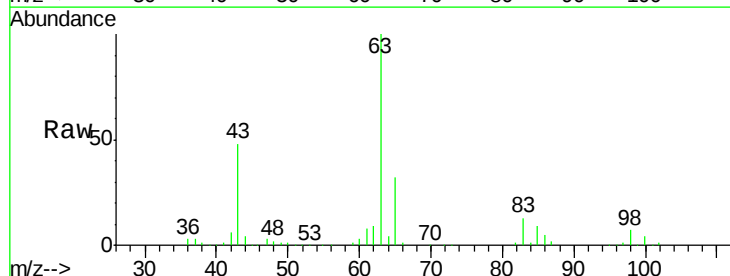
Tgt Ion: 63 Resp: 524860

Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

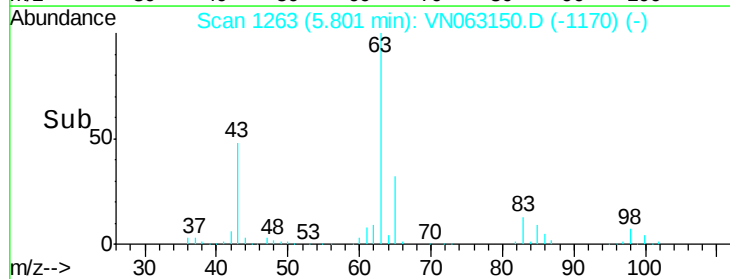
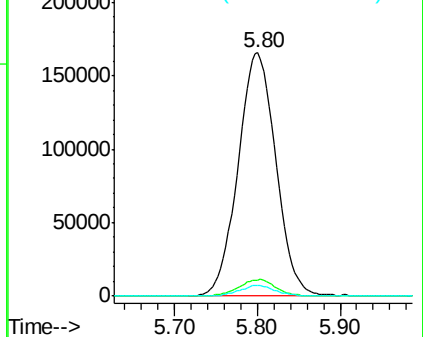
100 4.5 2.3 6.8

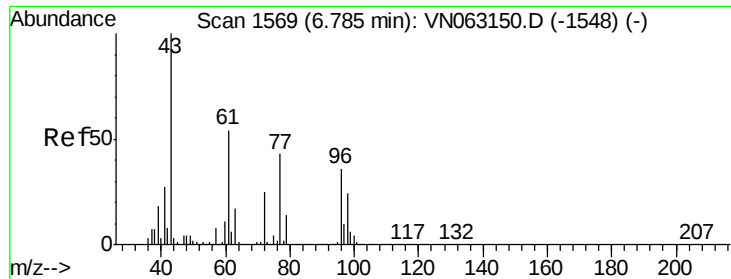


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 365.512 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 837750

Ion Ratio Lower Upper

43 100

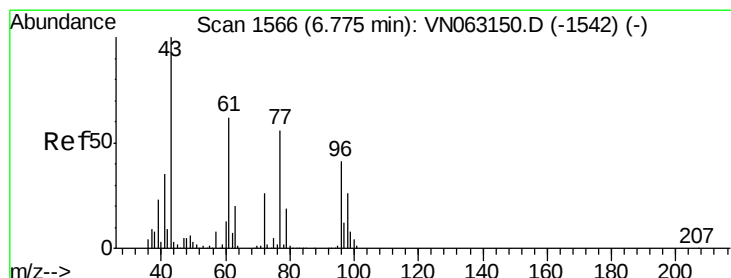
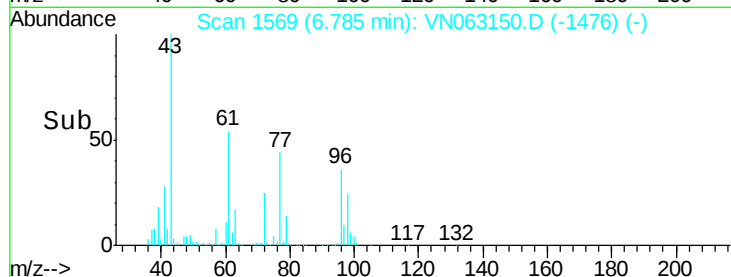
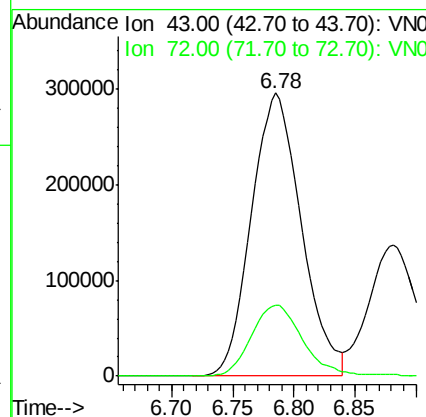
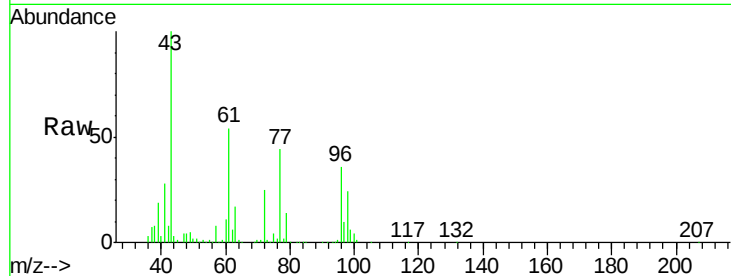
72 25.3 20.2 30.4

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:16 AM



#26

2,2-Dichloropropane

Concen: 60.159 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063150.D

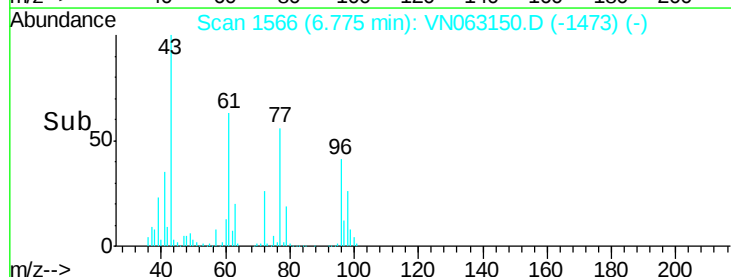
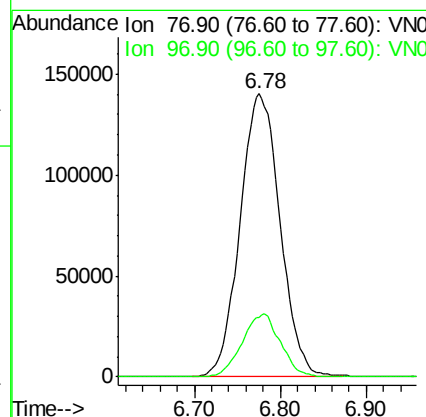
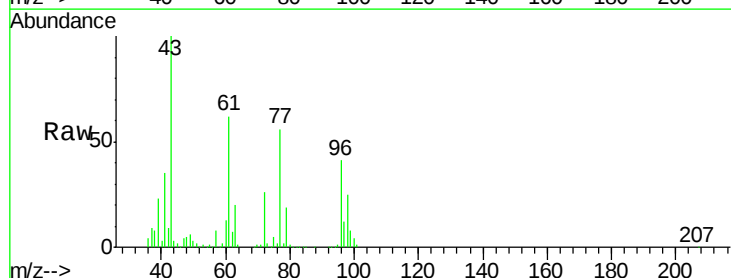
Acq: 31 Aug 2020 14:11

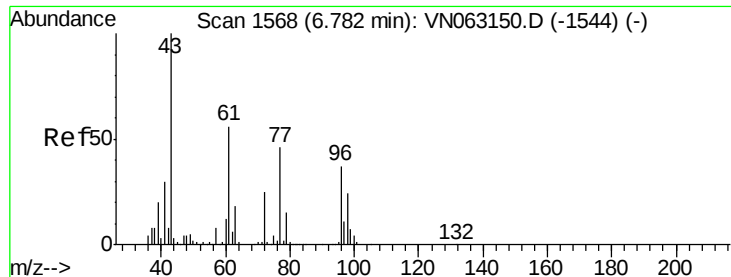
Tgt Ion: 77 Resp: 453607

Ion Ratio Lower Upper

77 100

97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 59.158 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

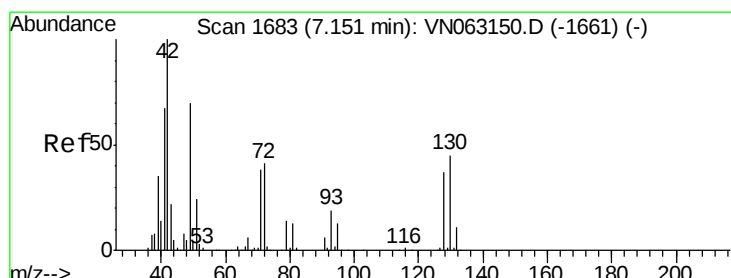
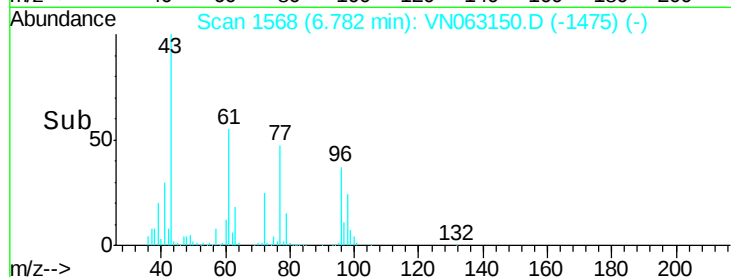
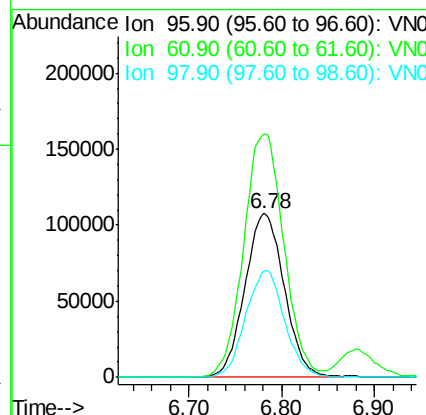
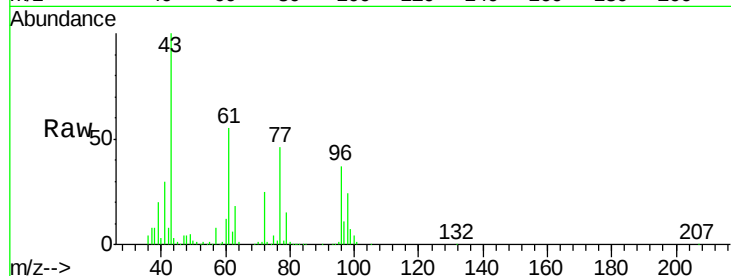
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	317594
Ion	Ratio	Lower	Upper
96	100		
61	151.6	0.0	303.2
98	64.5	0.0	129.0

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM



#28

Bromochloromethane

Concen: 63.814 ug/l

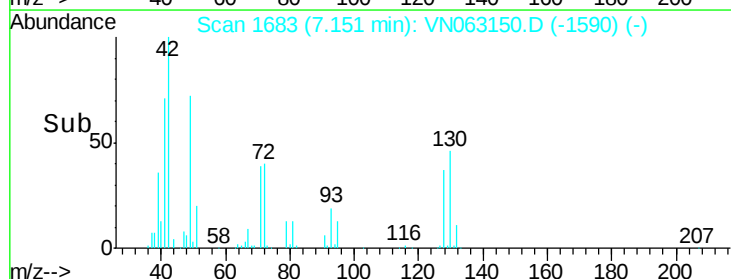
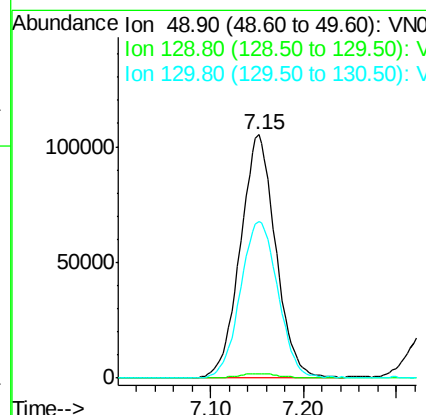
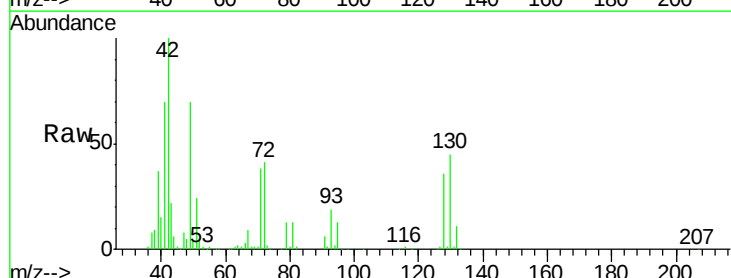
RT: 7.15 min Scan# 1683

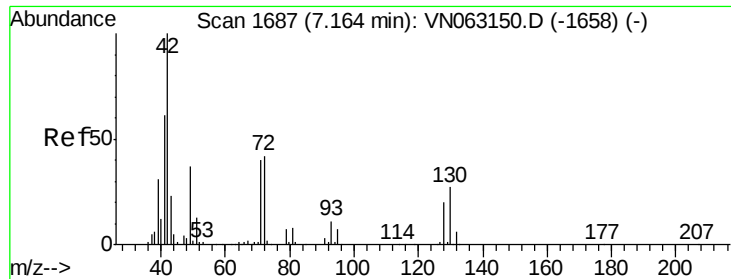
Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Tgt Ion:	49	Resp:	278858
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.0
130	68.0	54.4	81.6





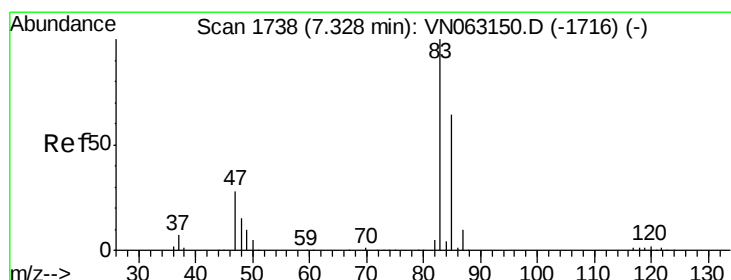
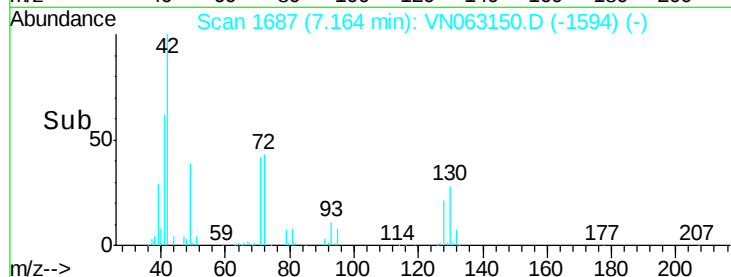
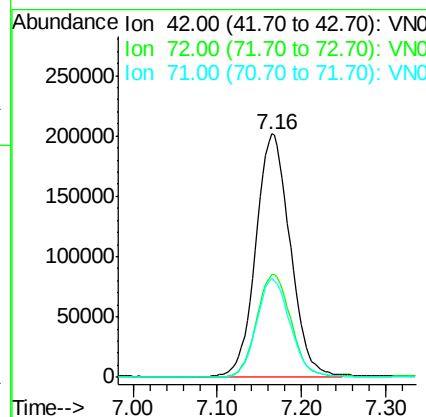
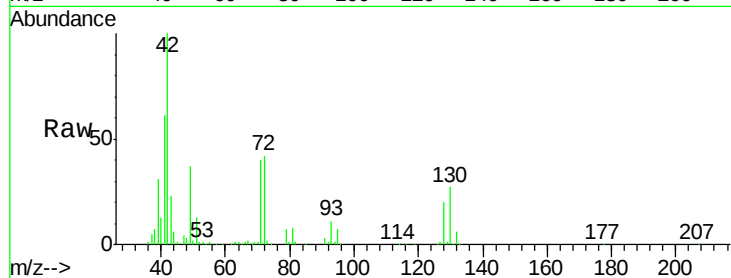
#29
Tetrahydrofuran
Concen: 390.690 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.9	50.9
71	39.9	31.9	47.9

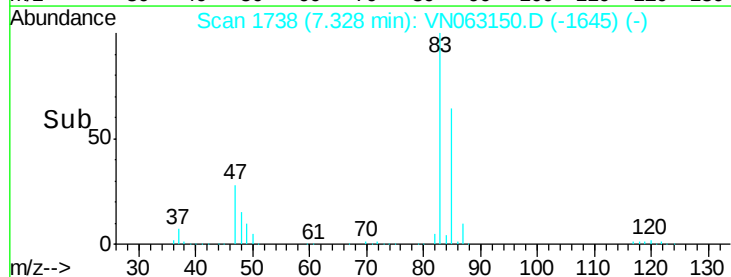
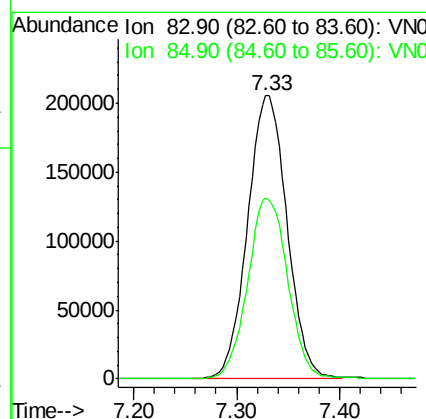
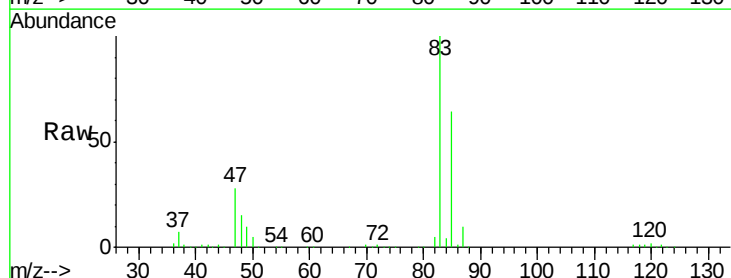
Manual Integrations
APPROVED

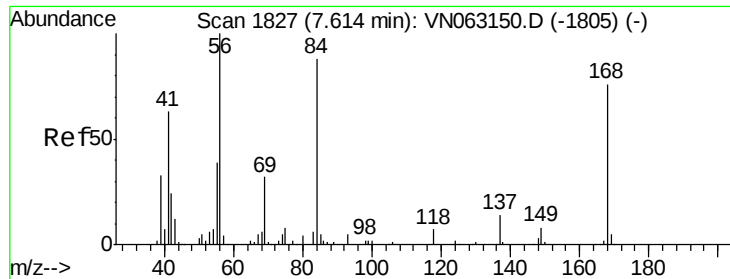
MMDadoda
9/1/2020 9:07:16 AM



#30
Chloroform
Concen: 55.996 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6





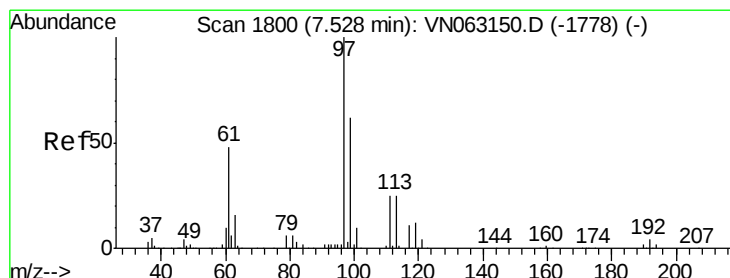
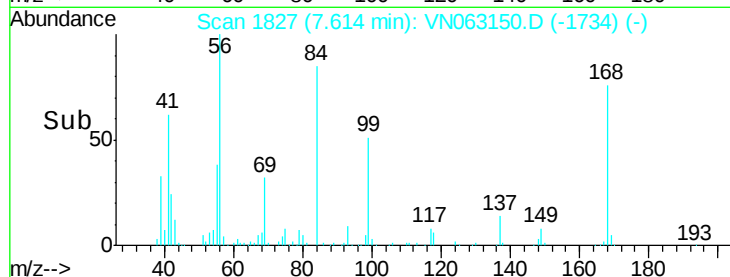
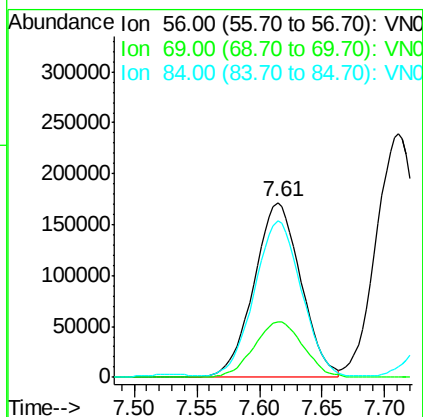
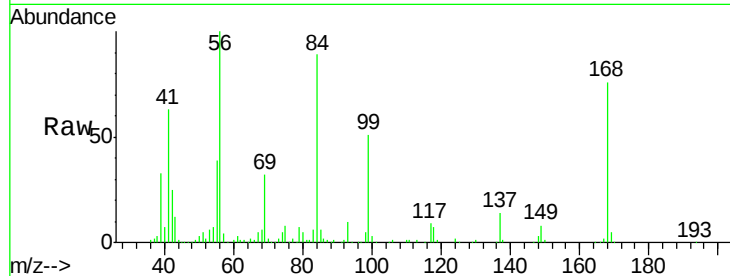
#31
Cyclohexane
Concen: 50.578 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.4	38.0
84	87.8	70.2	105.4

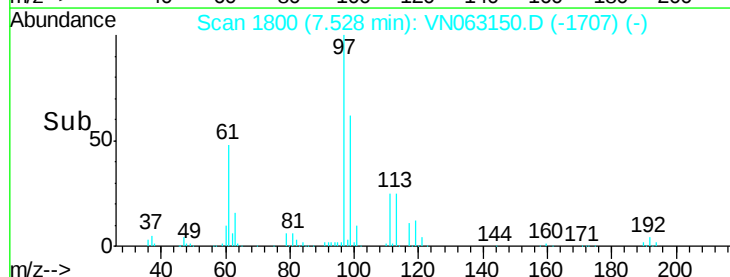
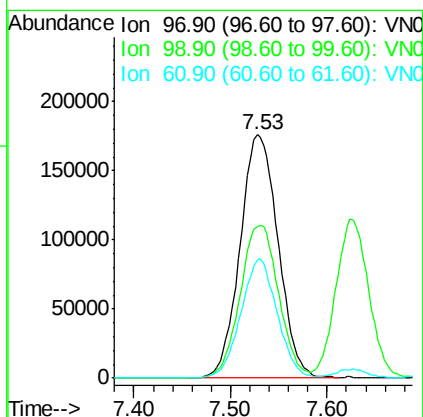
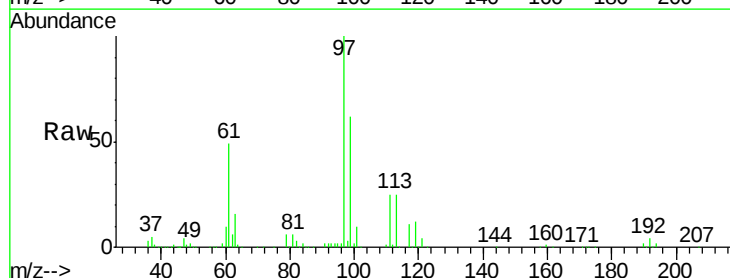
Manual Integrations
APPROVED

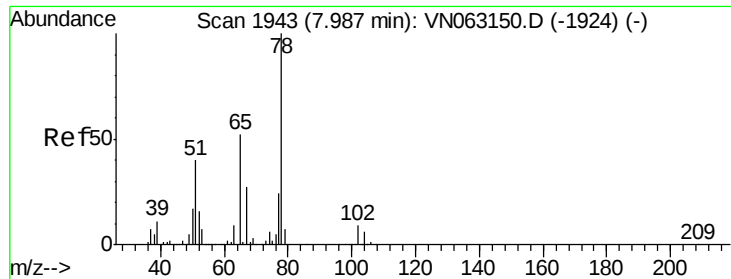
MMDadoda
9/1/2020 9:07:16 AM



#32
1,1,1-Trichloroethane
Concen: 56.792 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.8	76.2
61	46.8	37.4	56.2





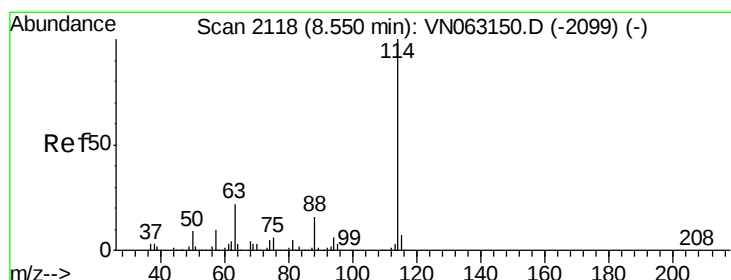
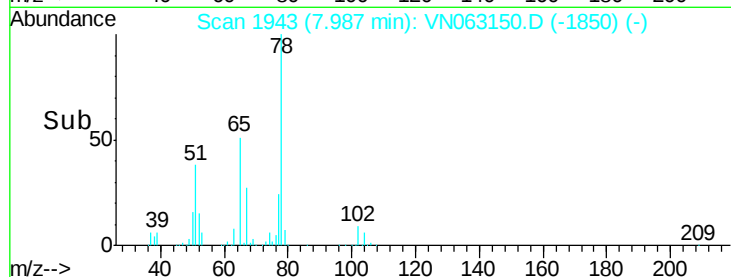
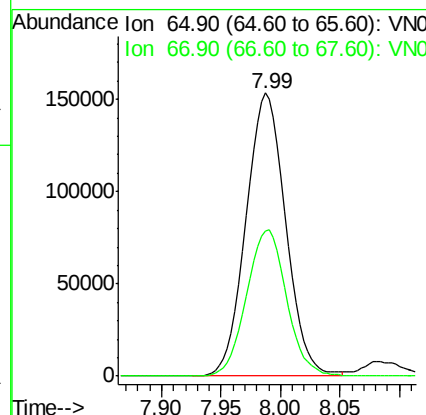
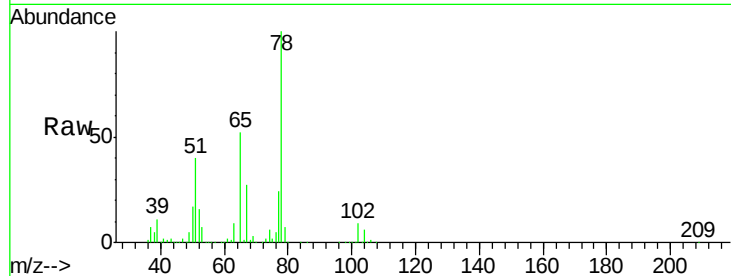
#33
 1,2-Dichloroethane-d4
 Concen: 59.815 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.2	0.0	104.4	

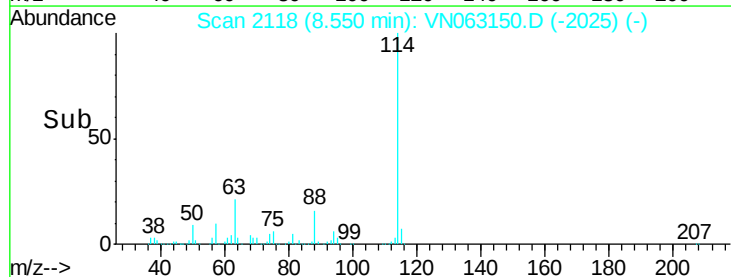
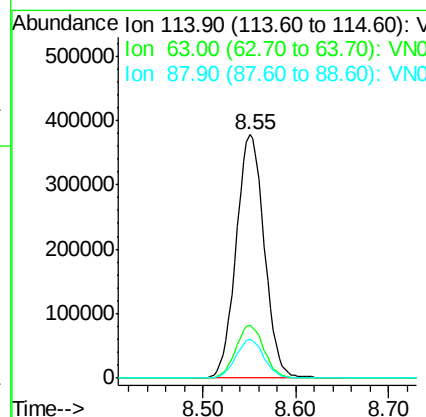
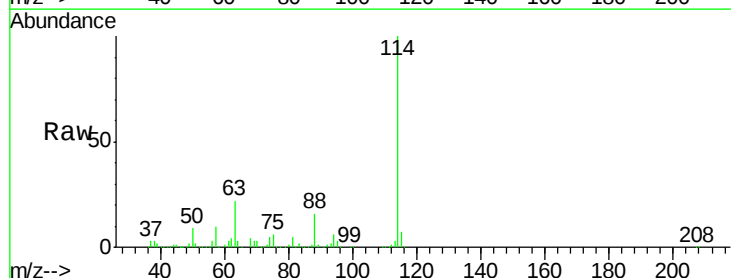
Manual Integrations
 APPROVED

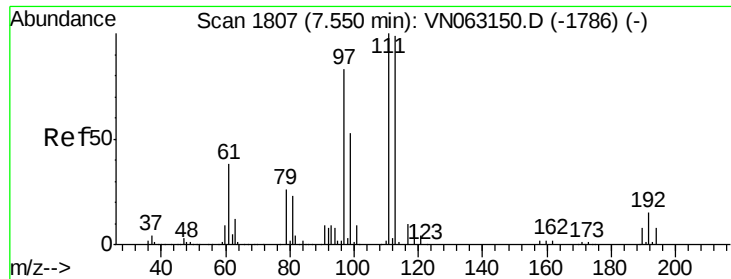
MMDadoda
 9/1/2020 9:07:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.5	0.0	43.0	
88	15.8	0.0	31.6	





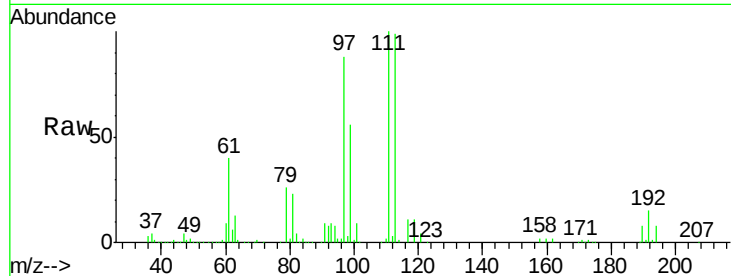
#35
 Dibromofluoromethane
 Concen: 41.563 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

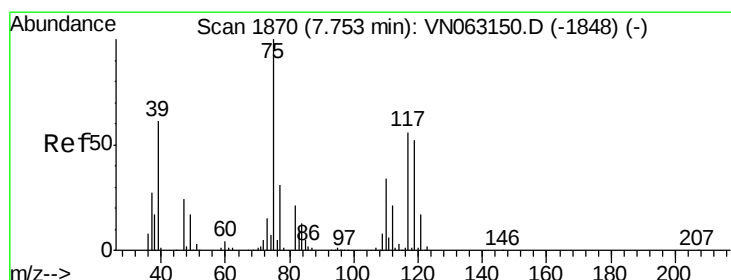
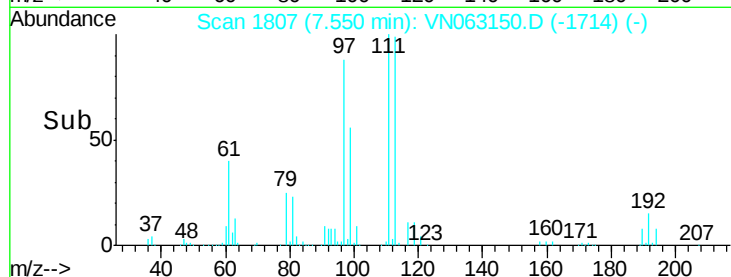
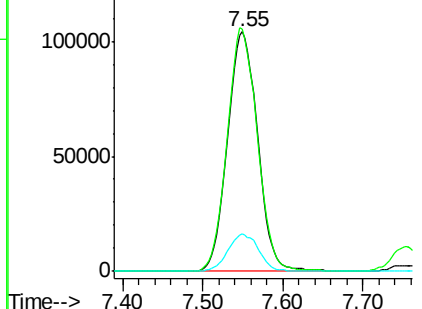
Tot Ion	Ratio	Resp	Lower	Upper
113	100	266725		
111	100.9	80.7	121.1	
192	15.8	12.6	19.0	

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:07:16 AM

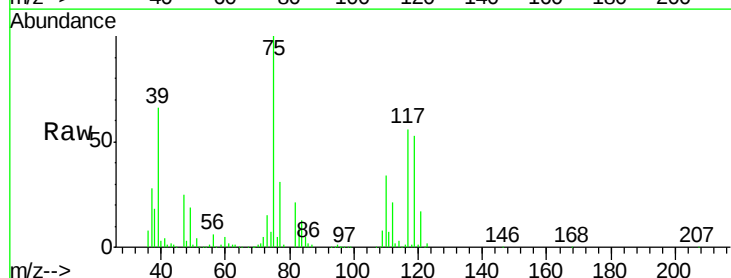


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

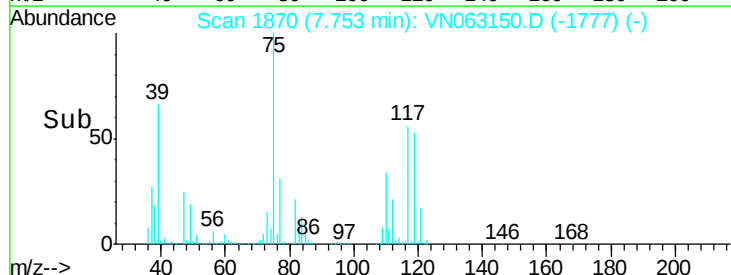
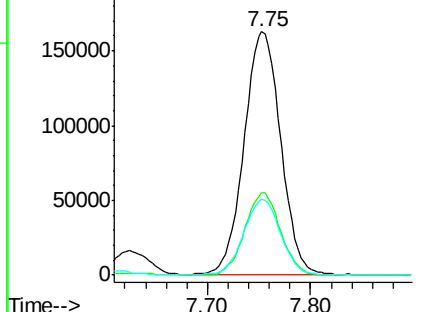


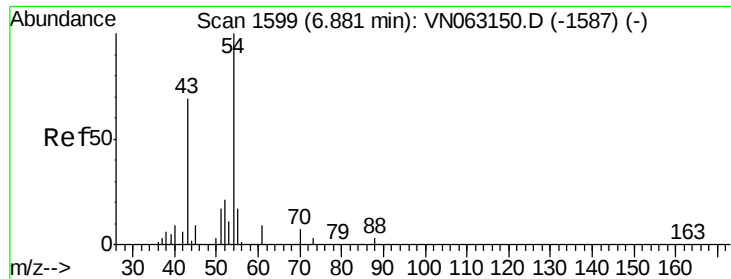
#36
 1,1-Dichloropropene
 Concen: 45.992 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	398864		
110	33.2	16.6	49.8	
77	31.8	25.4	38.2	



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





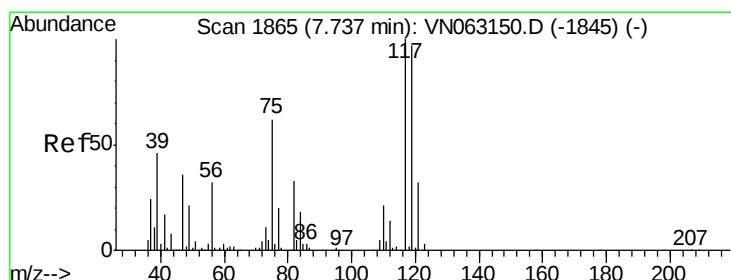
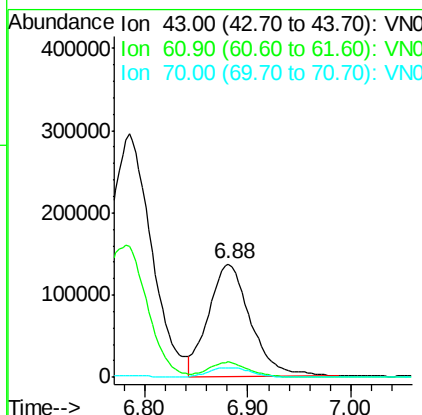
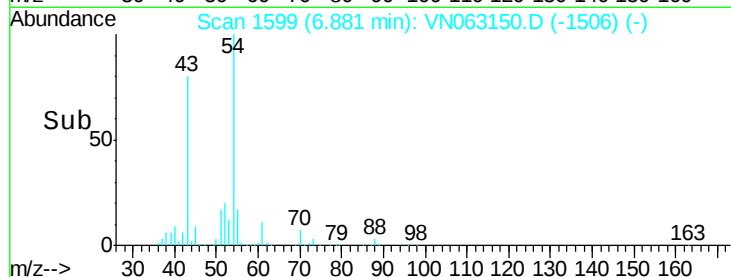
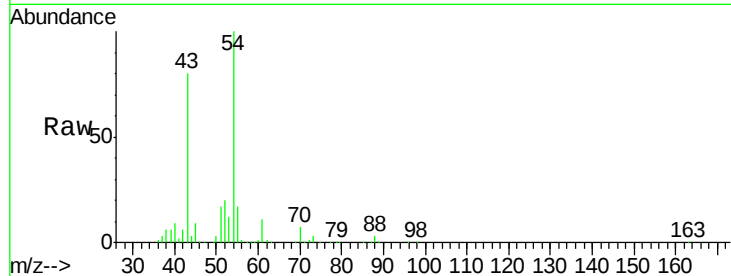
#37
Ethyl Acetate
Concen: 61.056 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.4
70	3.8	3.0	4.6

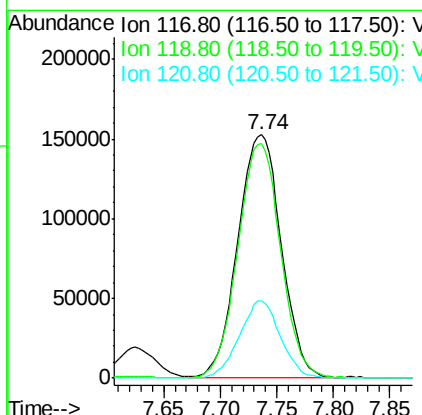
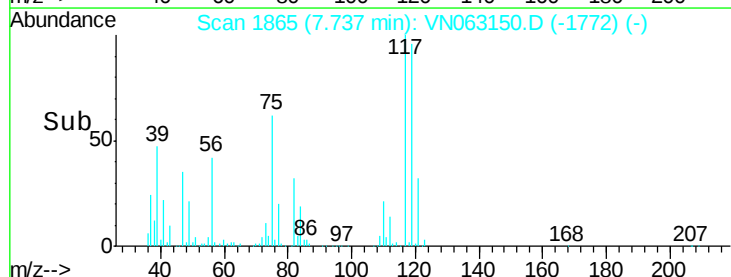
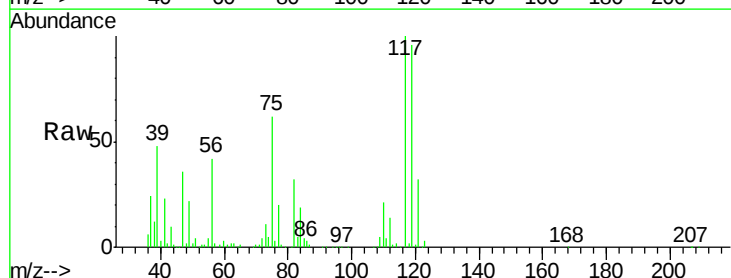
Manual Integrations
APPROVED

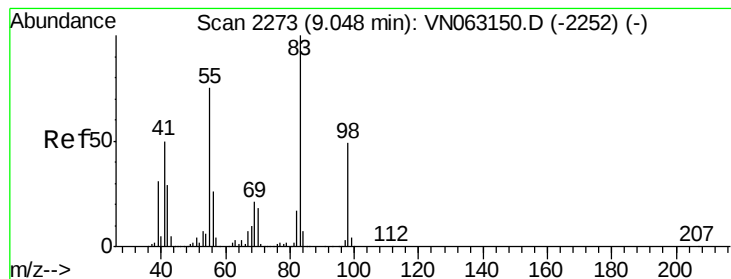
MMDadoda
9/1/2020 9:07:16 AM



#38
Carbon Tetrachloride
Concen: 43.655 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.2	115.8
121	32.0	25.6	38.4





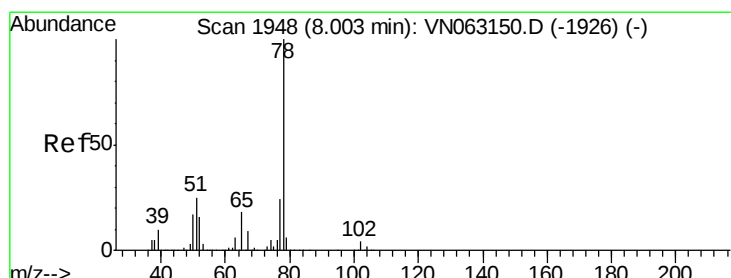
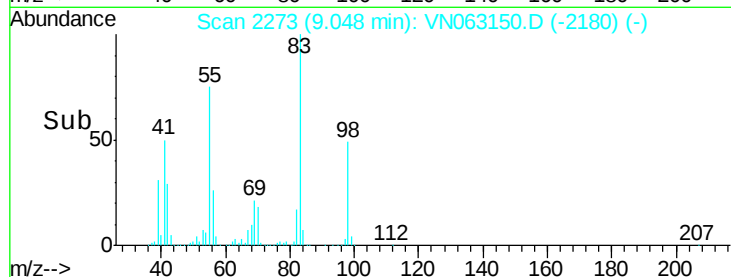
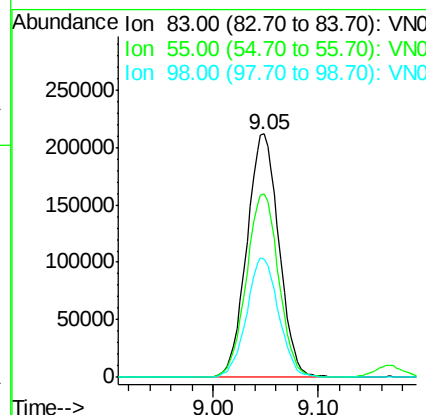
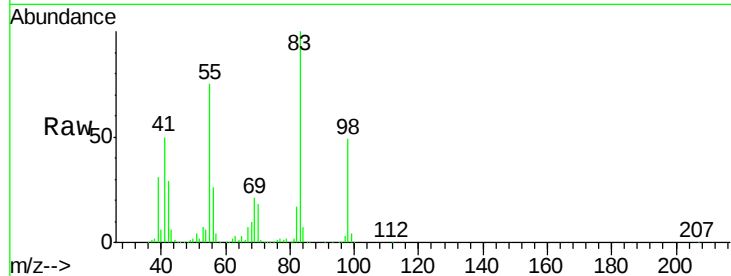
#39
Methylvlcyclohexane
Concen: 49.432 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	83	Resp	448477
Ion	Ratio	Lower	Upper
83	100		
55	75.4	60.3	90.5
98	48.6	38.9	58.3

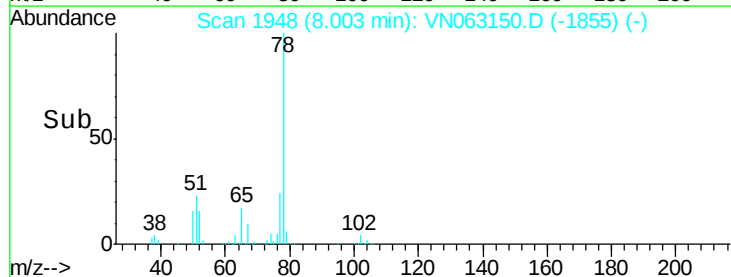
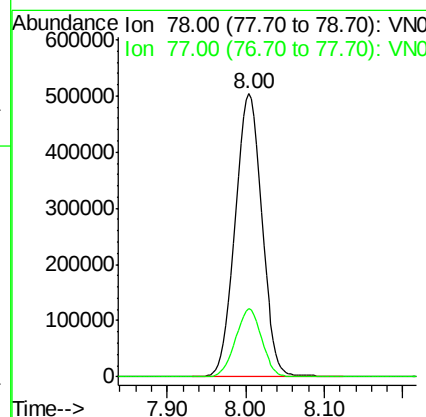
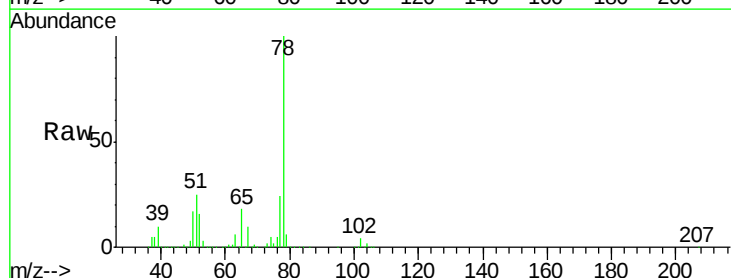
Manual Integrations
APPROVED

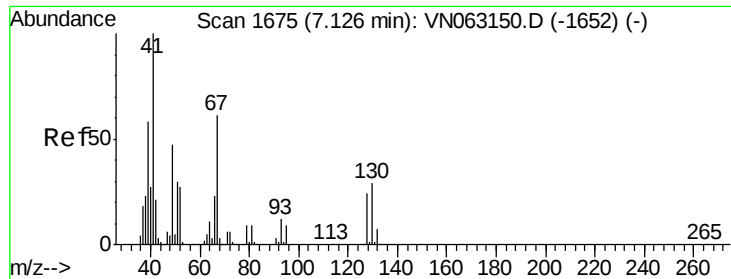
MMDadoda
9/1/2020 9:07:16 AM



#40
Benzene
Concen: 45.171 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	78	Resp	1194979
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.3	28.9





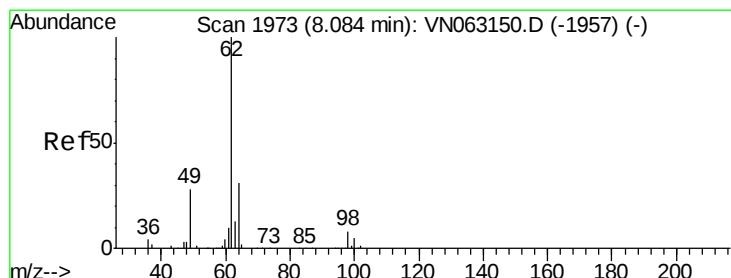
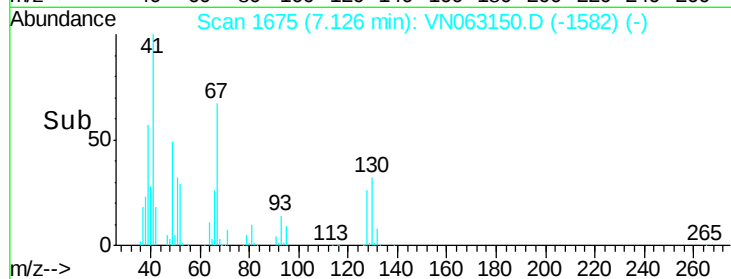
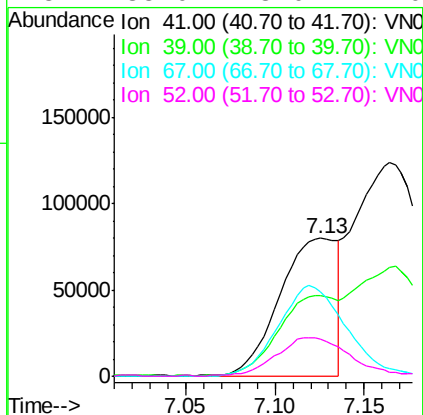
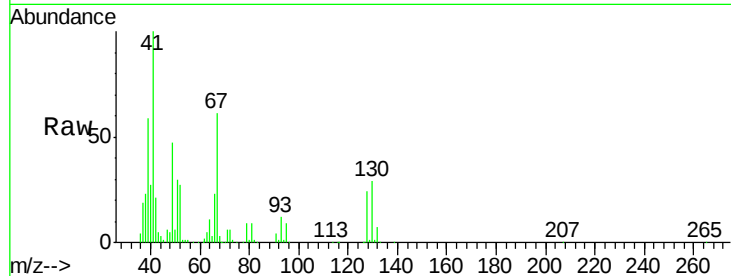
#41
Methacrylonitrile
Concen: 57.070 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	178804
Ion Ratio	Lower	Upper	
41	100		
39	58.3	46.6	70.0
67	78.3	62.6	94.0
52	35.0	28.0	42.0

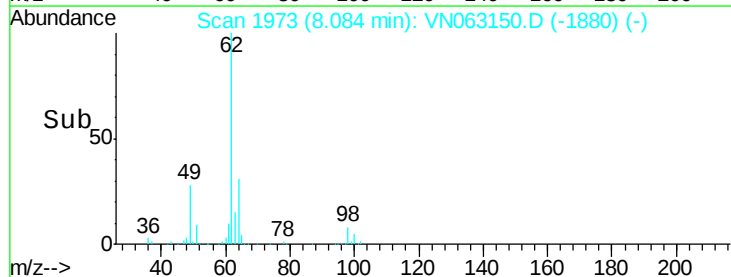
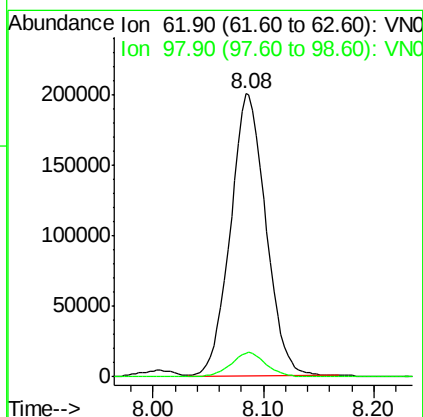
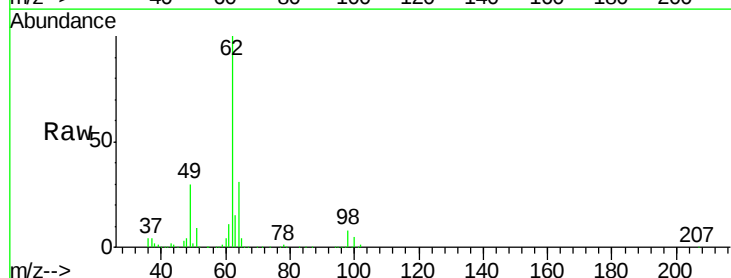
Manual Integrations
APPROVED

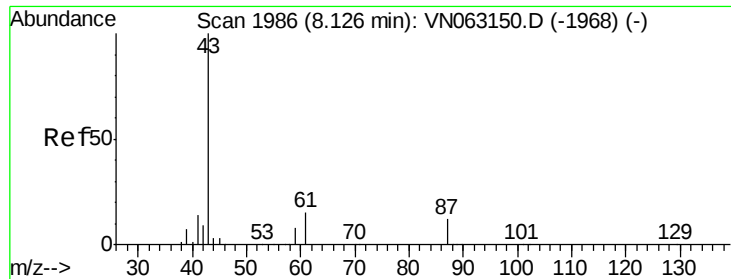
MMDadoda
9/1/2020 9:07:16 AM



#42
1,2-Dichloroethane
Concen: 49.860 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	62	Resp	445934
Ion Ratio	Lower	Upper	
62	100		
98	8.6	0.0	17.2





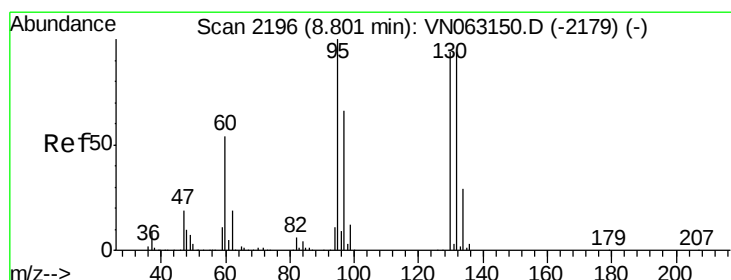
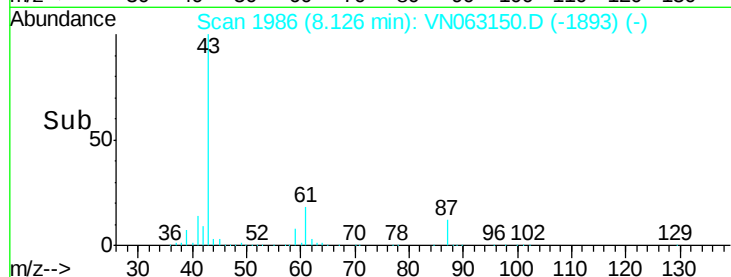
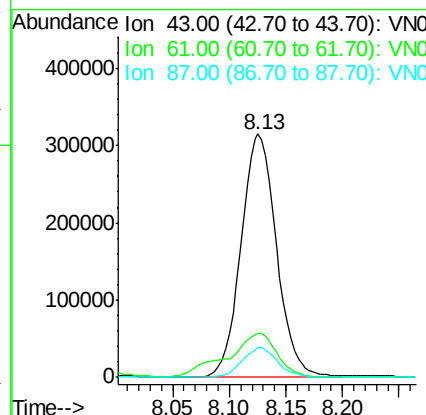
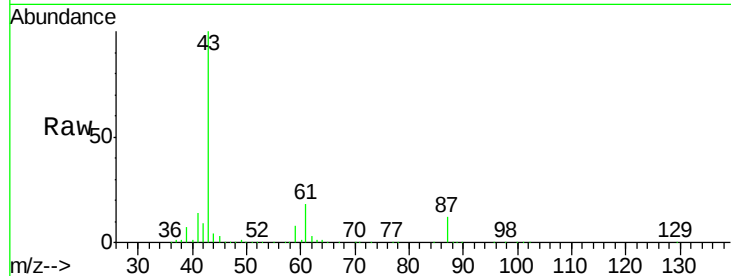
#43
Isopropyl Acetate
Concen: 61.973 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.3	20.2	30.4
87	12.2	9.8	14.6

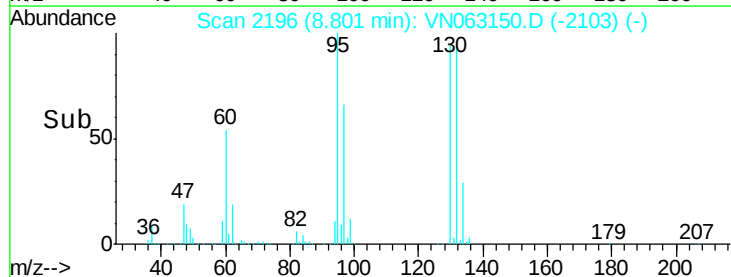
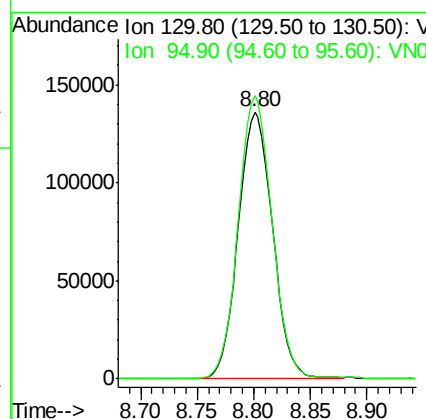
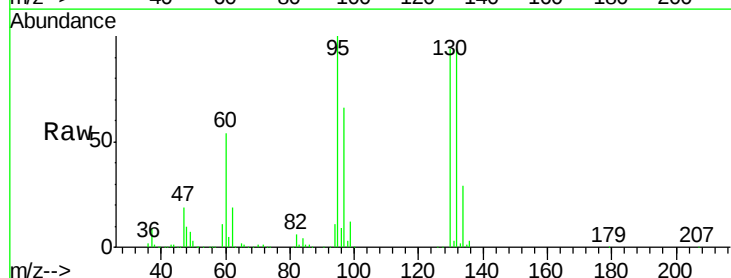
Manual Integrations
APPROVED

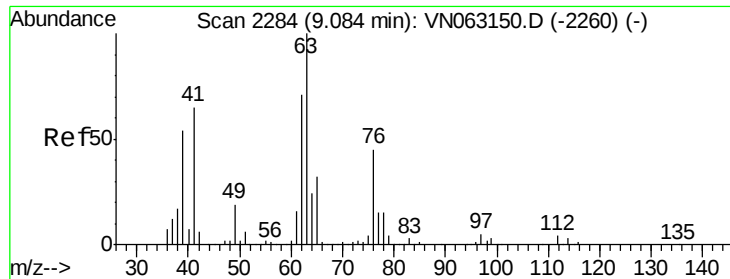
MMDadoda
9/1/2020 9:07:16 AM



#44
Trichloroethene
Concen: 42.039 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.0	0.0	212.0





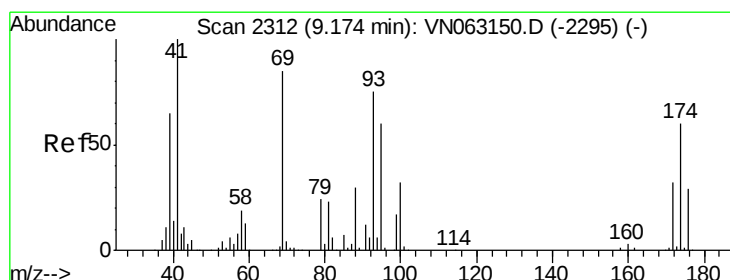
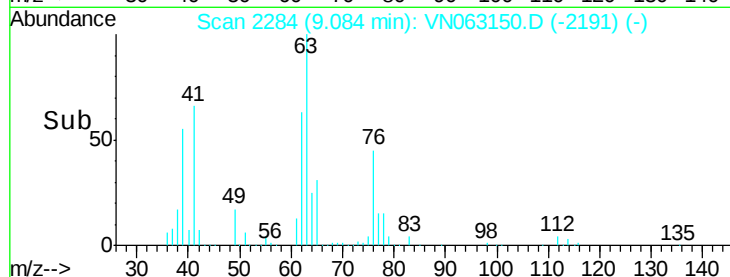
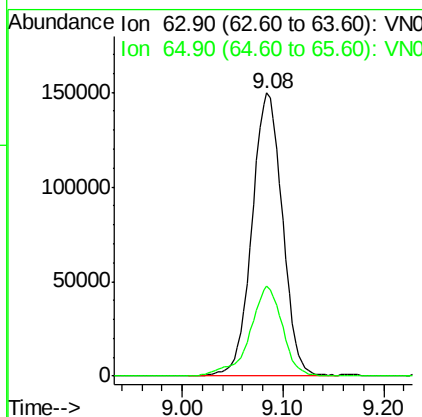
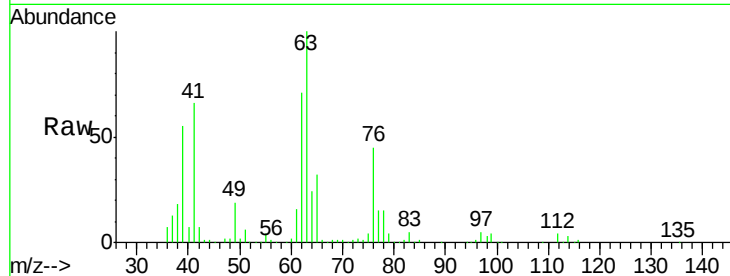
#45
 1,2-Dichloropropane
 Concen: 43.942 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 312873
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.4 38.0

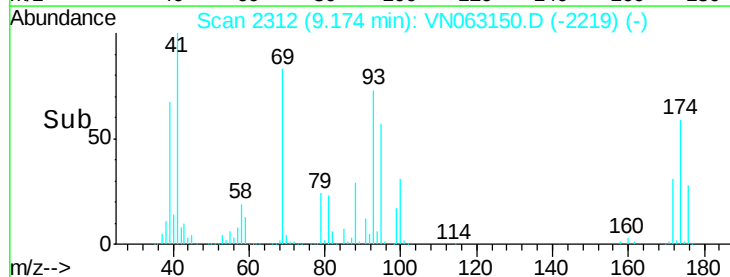
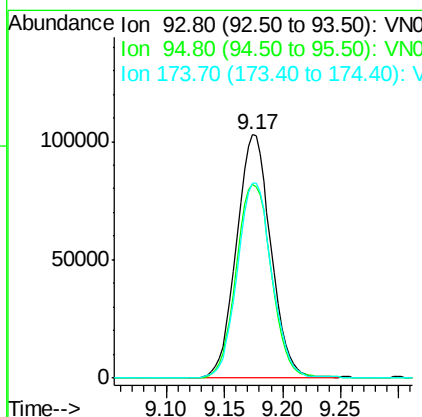
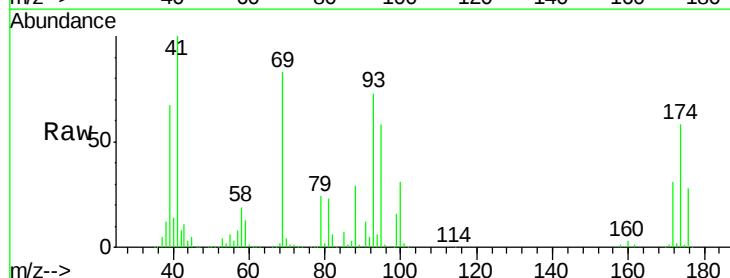
Manual Integrations
 APPROVED

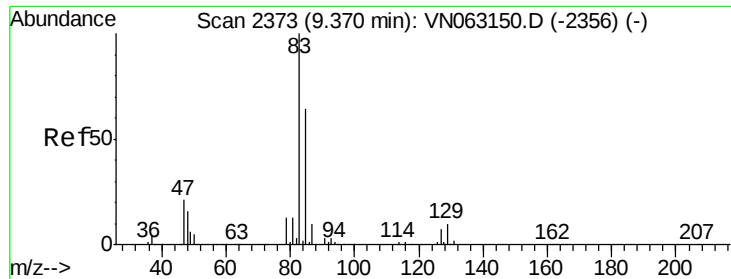
MMDadoda
 9/1/2020 9:07:16 AM



#46
 Dibromomethane
 Concen: 47.573 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion: 93 Resp: 212681
 Ion Ratio Lower Upper
 93 100
 95 81.5 65.2 97.8
 174 80.8 64.6 97.0





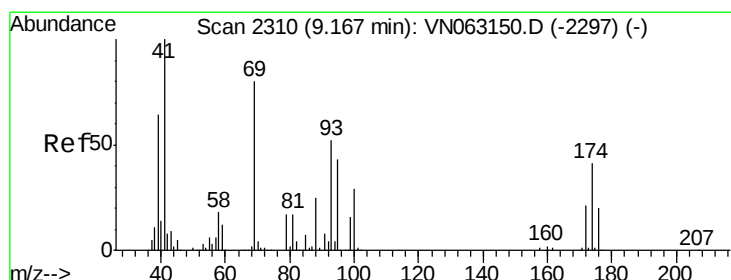
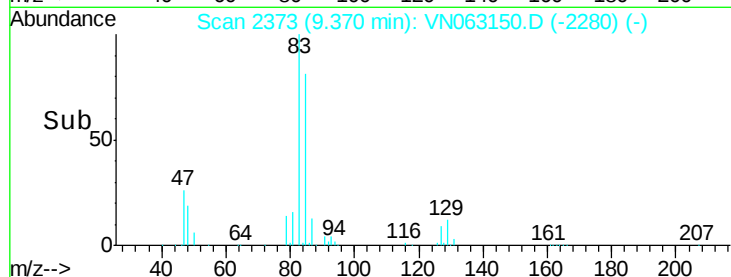
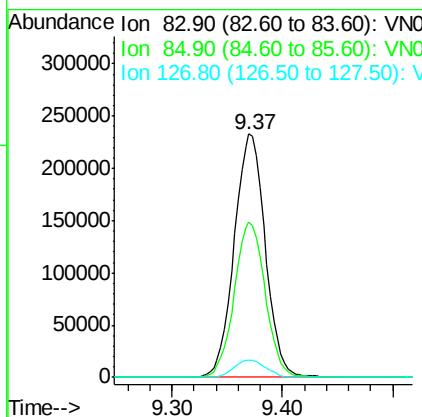
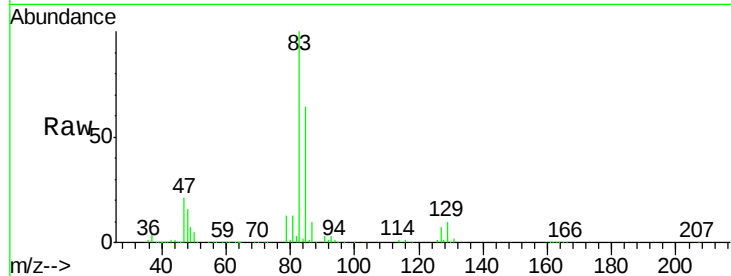
#47
Bromodichloromethane
Concen: 48.865 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	7.1	5.7	8.5

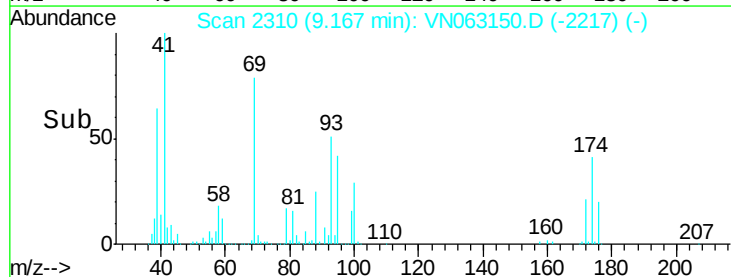
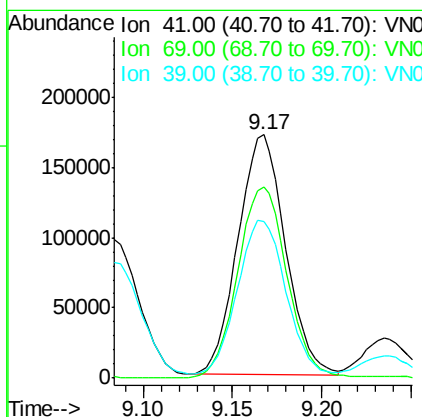
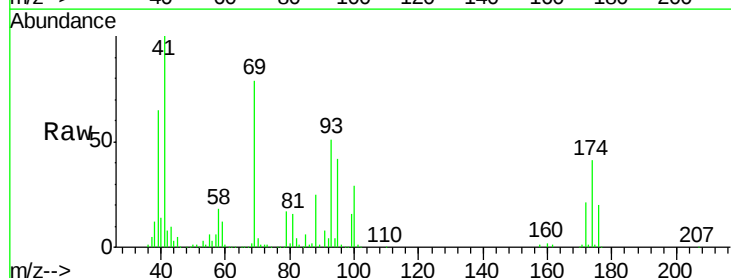
Manual Integrations
APPROVED

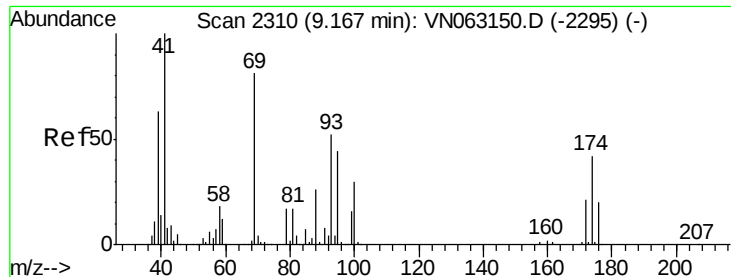
MMDadoda
9/1/2020 9:07:16 AM



#48
Methyl methacrylate
Concen: 58.444 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.4	65.9	98.9
39	65.0	52.0	78.0





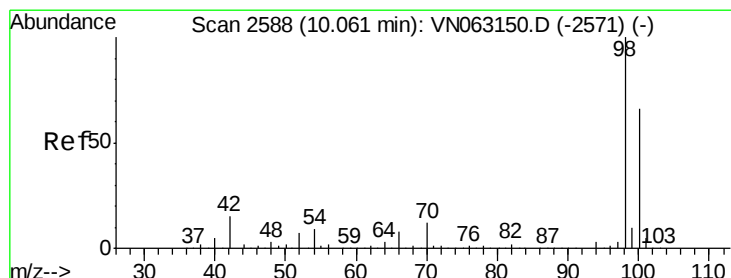
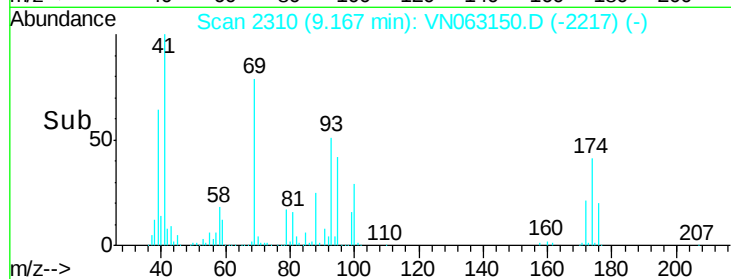
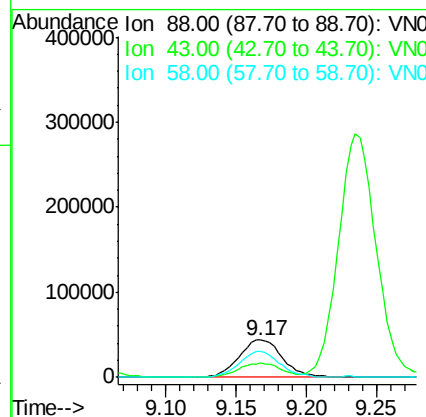
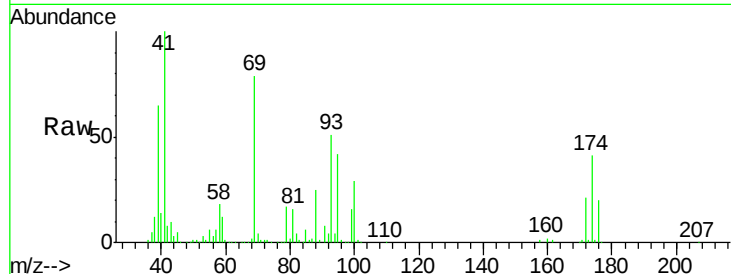
#49
1,4-Dioxane
Concen: 1218.500 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	28.6	42.8
58	66.5	53.2	79.8

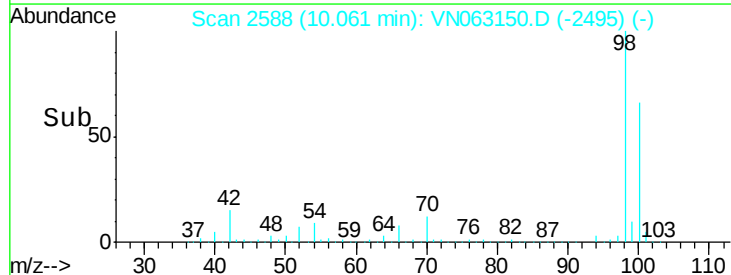
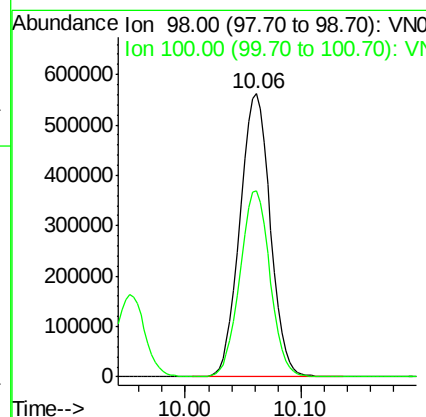
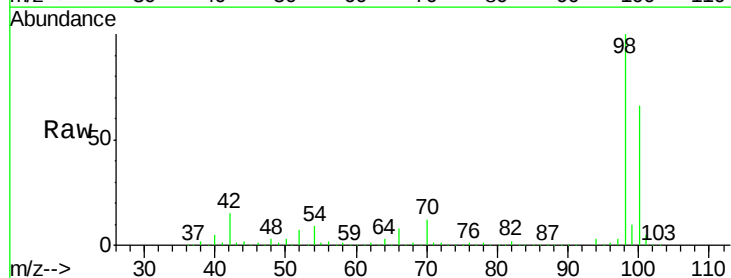
Manual Integrations
APPROVED

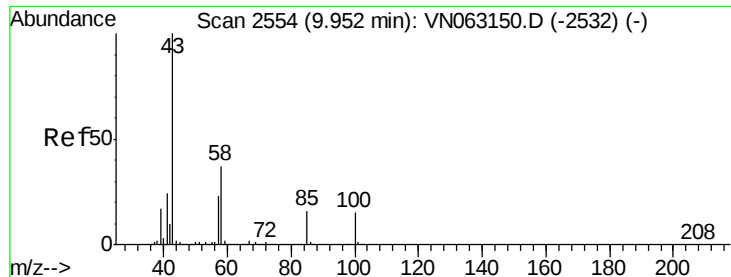
MMDadoda
9/1/2020 9:07:16 AM



#50
Toluene-d8
Concen: 43.612 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 316.557 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 43 Resp: 1943761

Ion Ratio Lower Upper

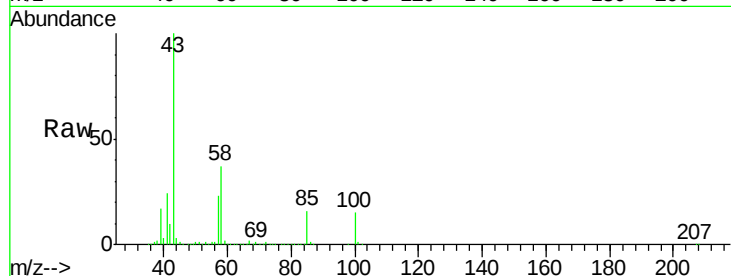
43 100

58 36.5 29.2 43.8

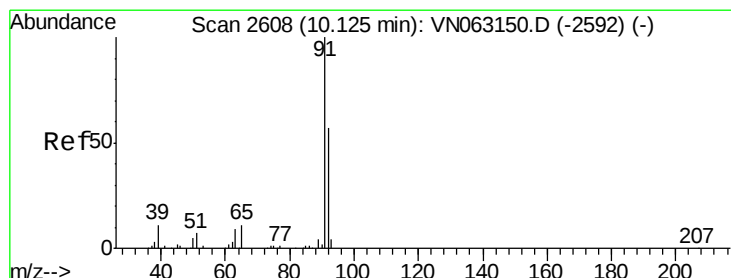
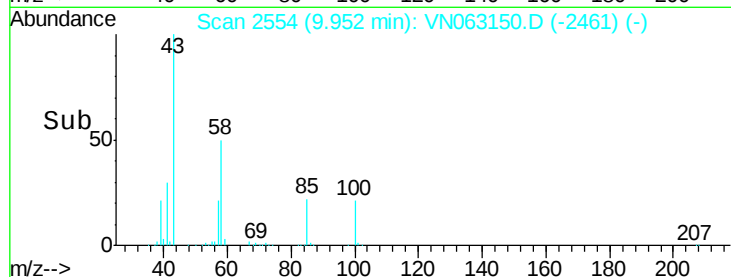
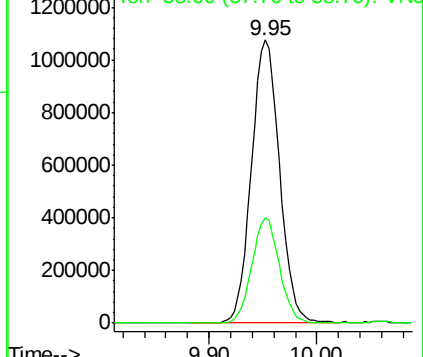
Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-2532) (-)



#52

Toluene

Concen: 47.487 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063150.D

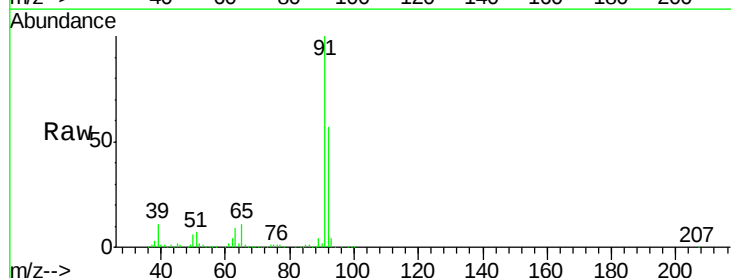
Acq: 31 Aug 2020 14:11

Tgt Ion: 92 Resp: 747481

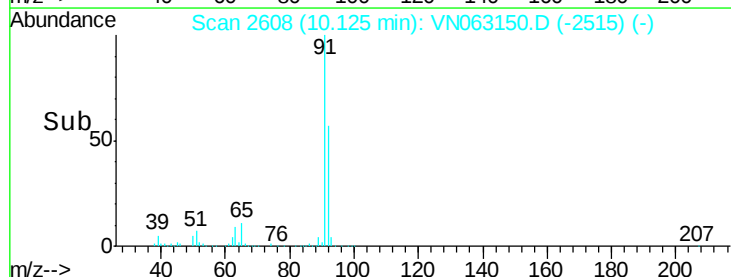
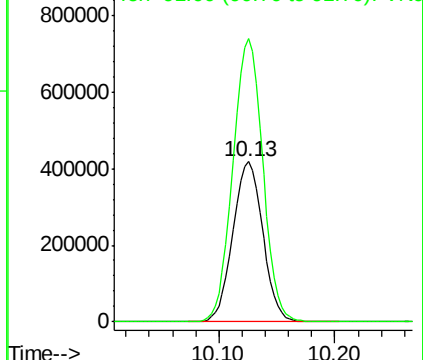
Ion Ratio Lower Upper

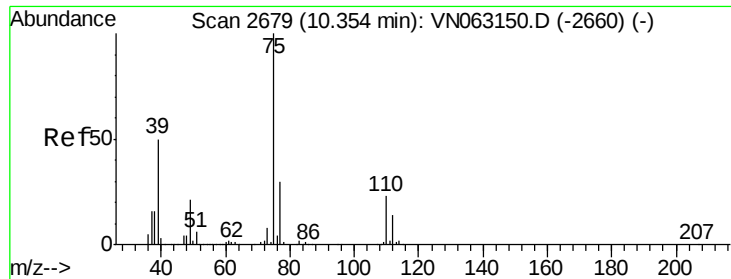
92 100

91 176.5 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN063150.D (-2592) (-)





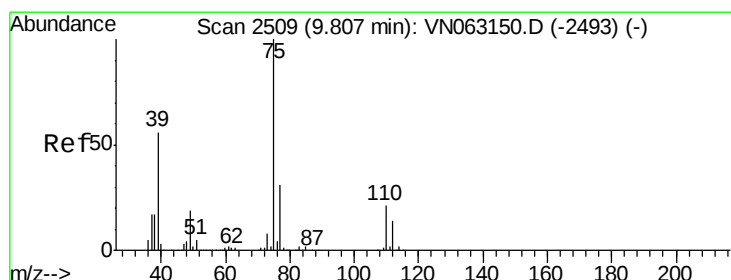
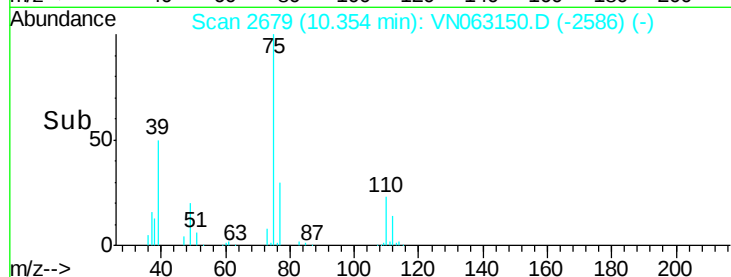
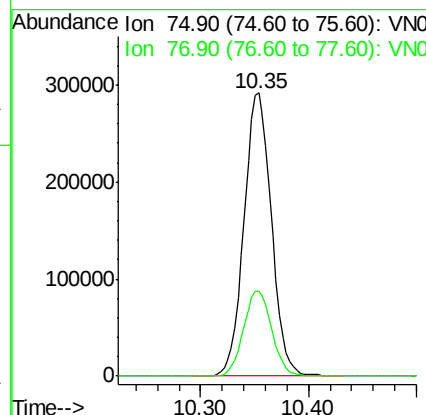
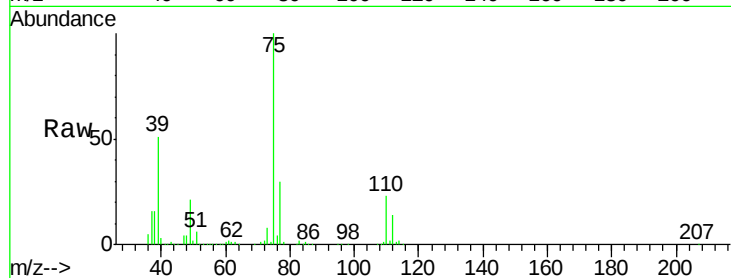
#53
 t-1,3-Dichloropropene
 Concen: 55.311 ug/l
 RT: 10.35 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 75 Resp: 517124
 Ion Ratio Lower Upper
 75 100
 77 30.2 24.2 36.2

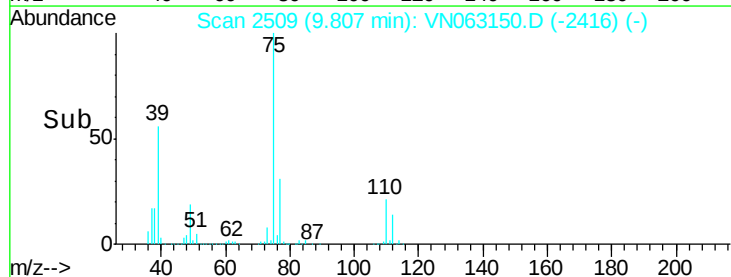
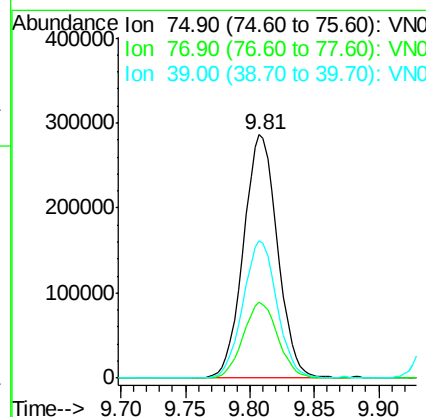
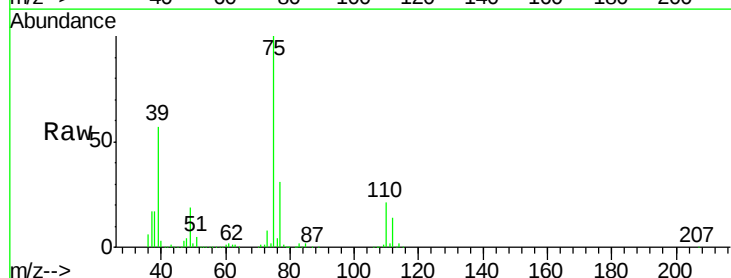
Manual Integrations
 APPROVED

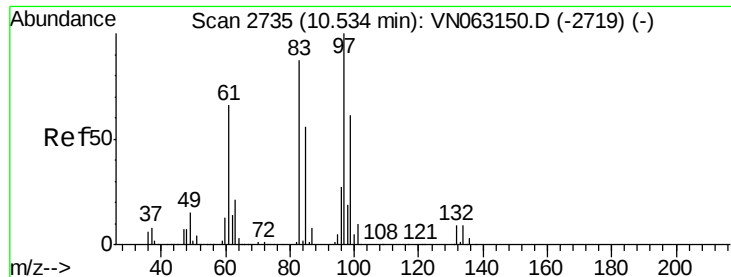
MMDadoda
 9/1/2020 9:07:16 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.744 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion: 75 Resp: 526190
 Ion Ratio Lower Upper
 75 100
 77 31.0 24.8 37.2
 39 56.3 45.0 67.6





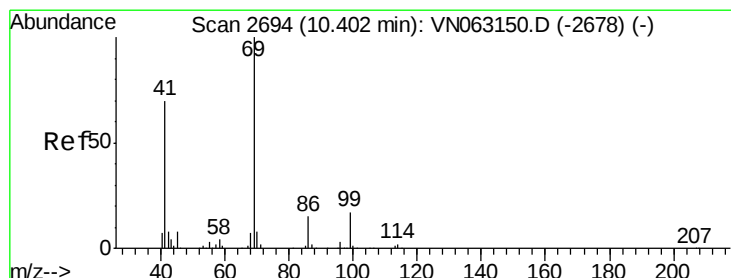
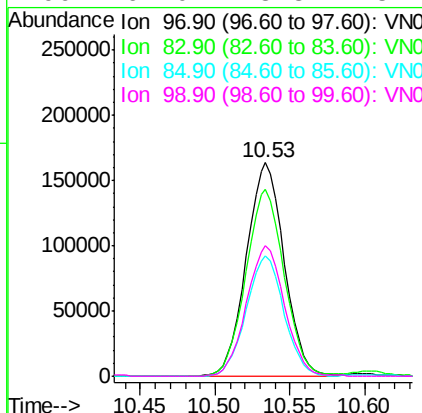
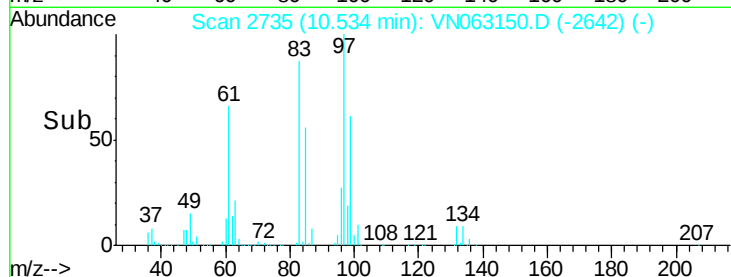
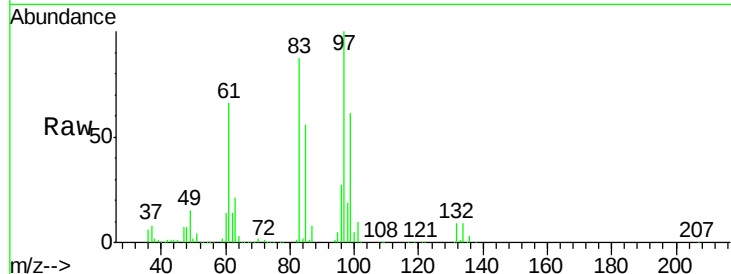
#55
 1,1,2-Trichloroethane
 Concen: 44.152 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion:	97	Resp:	288293
Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	56.1	44.9	67.3
99	61.0	48.8	73.2

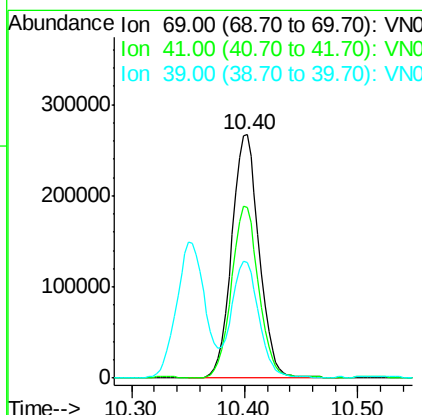
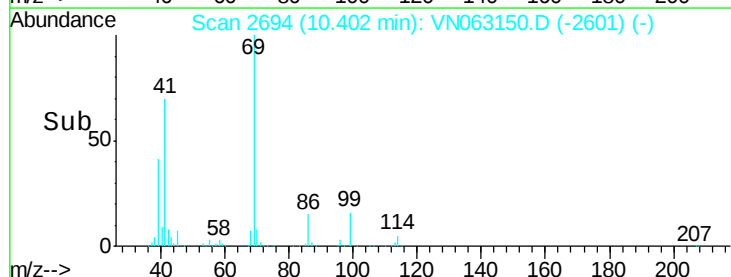
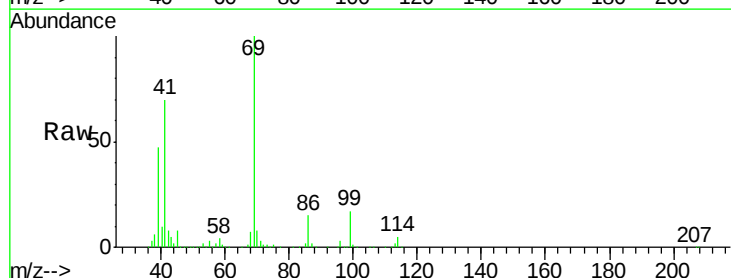
Manual Integrations
 APPROVED

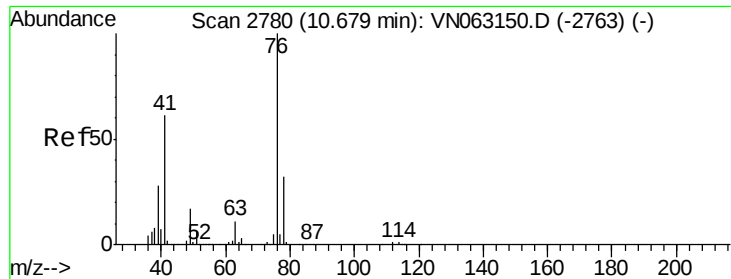
MMDadoda
 9/1/2020 9:07:16 AM



#56
 Ethyl methacrylate
 Concen: 57.783 ug/l
 RT: 10.40 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion:	69	Resp:	450838
Ion	Ratio	Lower	Upper
69	100		
41	69.4	55.5	83.3
39	47.7	38.2	57.2





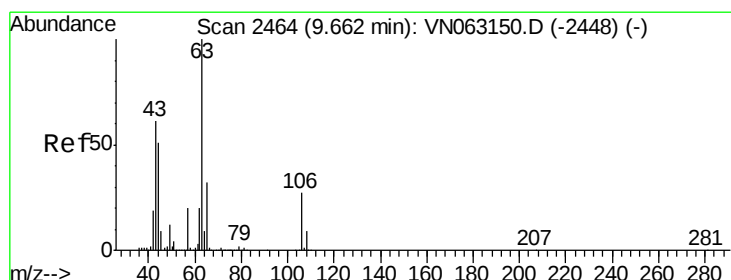
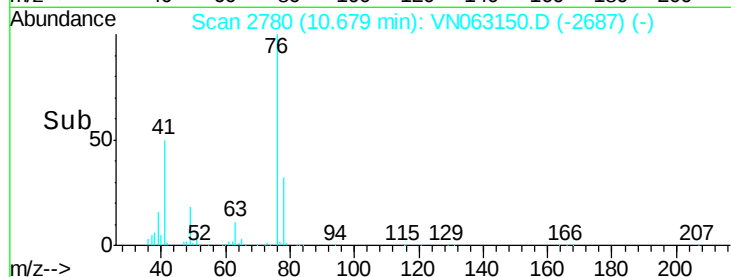
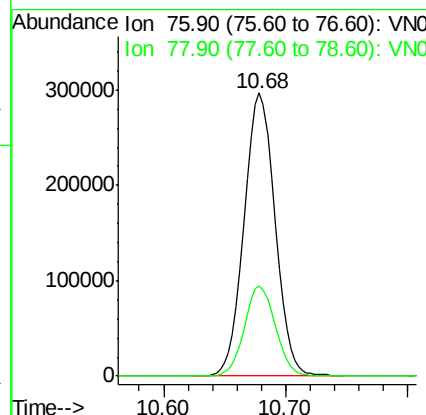
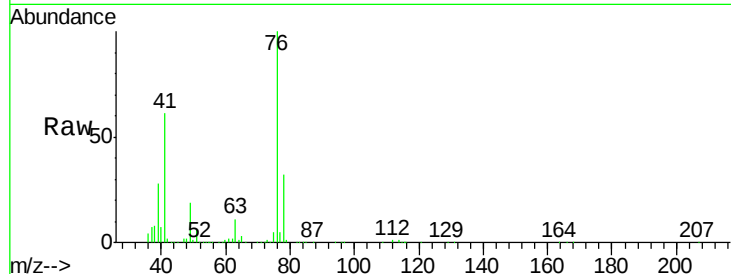
#57
 1,3-Dichloropropane
 Concen: 49.908 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

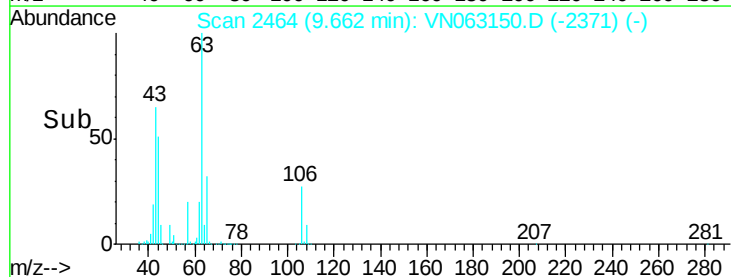
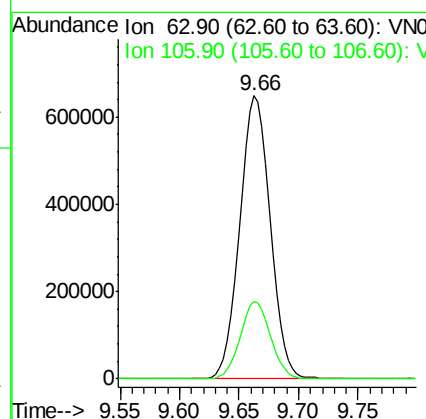
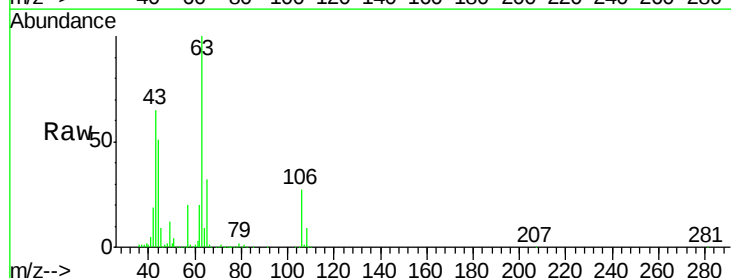
Manual Integrations
 APPROVED

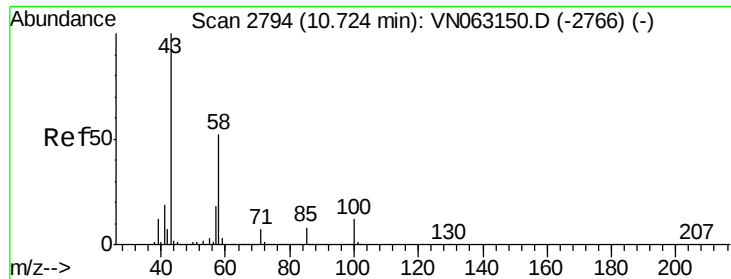
MMDadoda
 9/1/2020 9:07:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 319.079 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.8	32.6





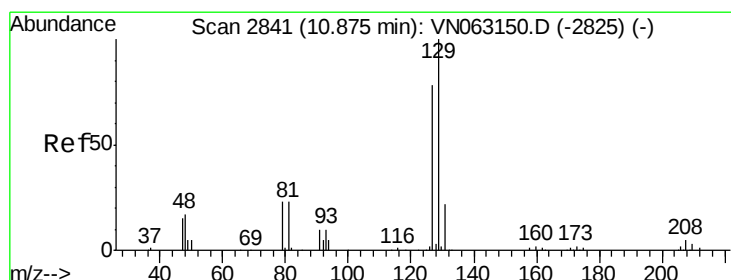
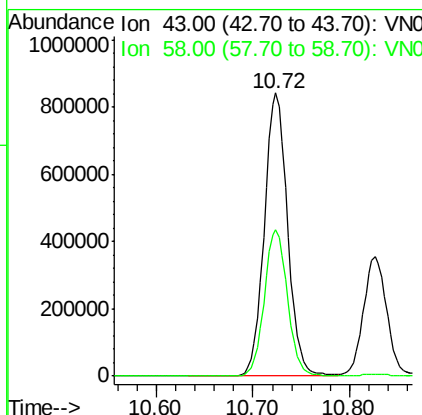
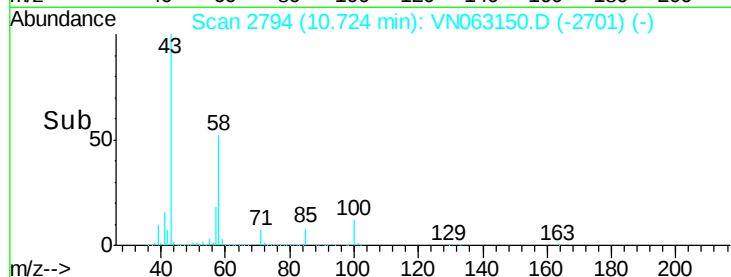
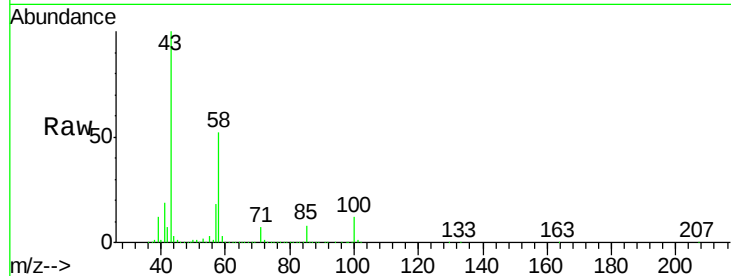
#59
2-Hexanone
Concen: 335.339 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1397348
Ion Ratio Lower Upper
43 100
58 51.9 25.9 77.8

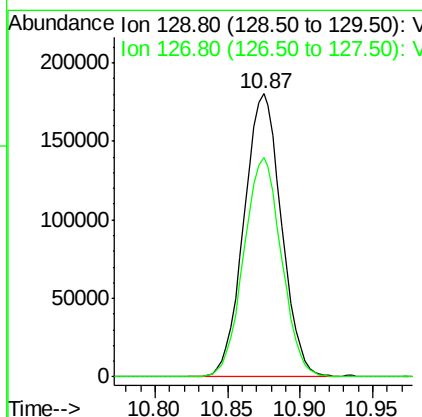
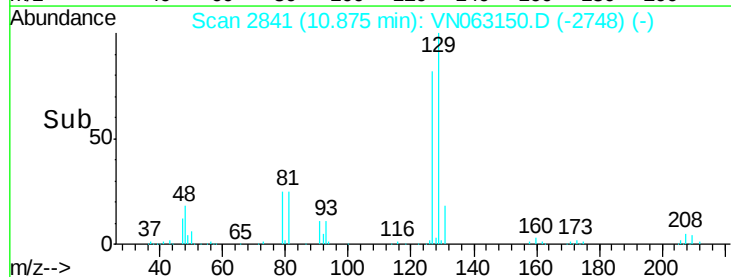
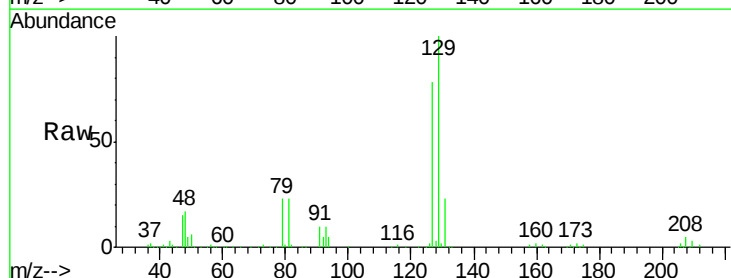
Manual Integrations
APPROVED

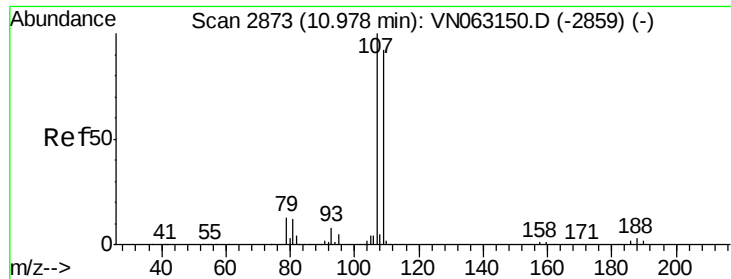
MMDadoda
9/1/2020 9:07:16 AM



#60
Dibromochloromethane
Concen: 45.574 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion: 129 Resp: 325116
Ion Ratio Lower Upper
129 100
127 78.0 39.0 117.0





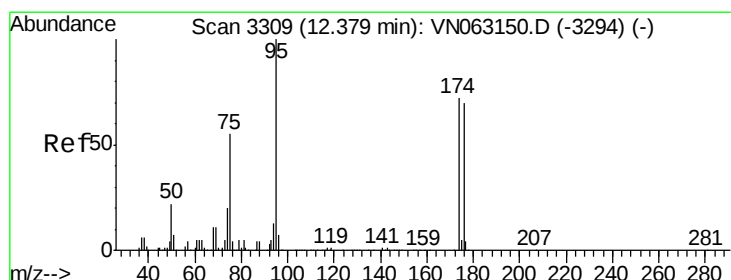
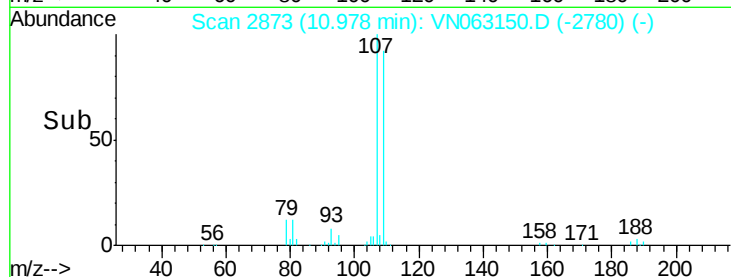
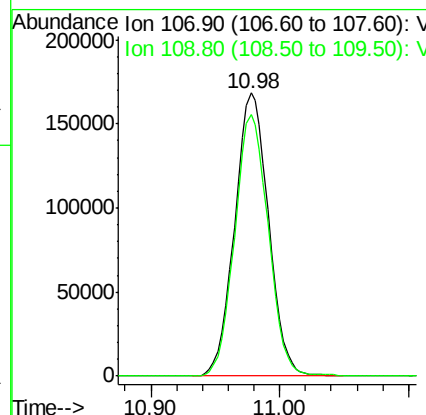
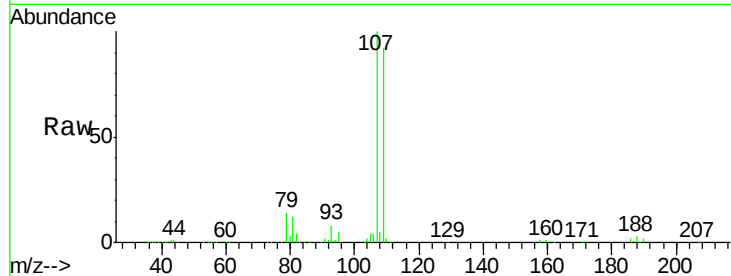
#61
 1,2-Dibromoethane
 Concen: 49.770 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.7	73.4	110.0

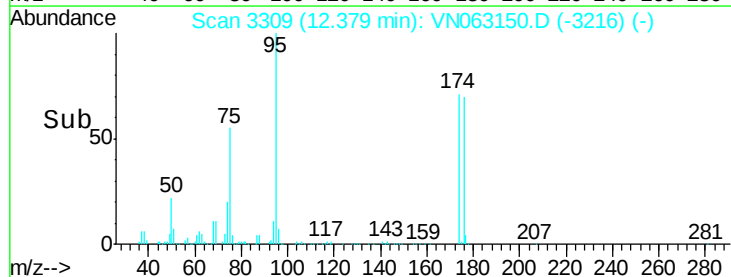
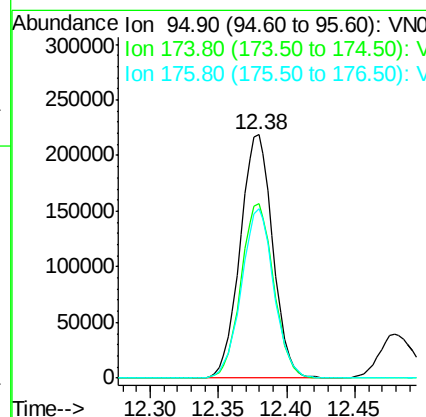
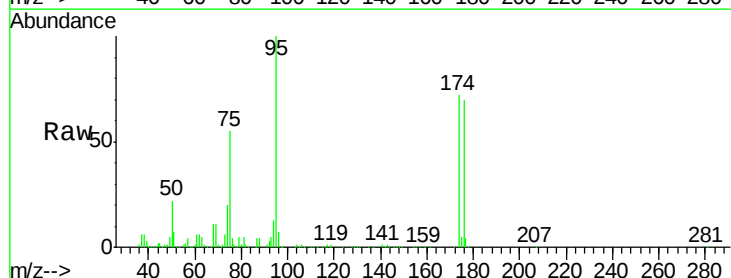
Manual Integrations
 APPROVED

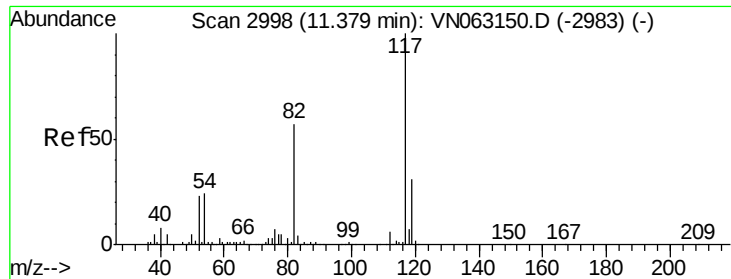
MMDadoda
 9/1/2020 9:07:16 AM



#62
 4-Bromofluorobenzene
 Concen: 44.881 ug/l
 RT: 12.38 min Scan# 3309
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	143.8
176	69.2	0.0	138.4





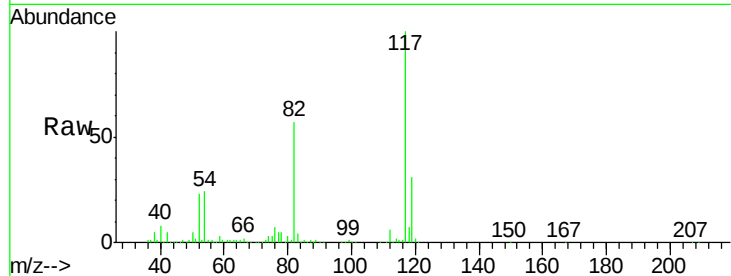
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	739856		
82	56.7		45.4	68.0
119	30.8		24.6	37.0

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM

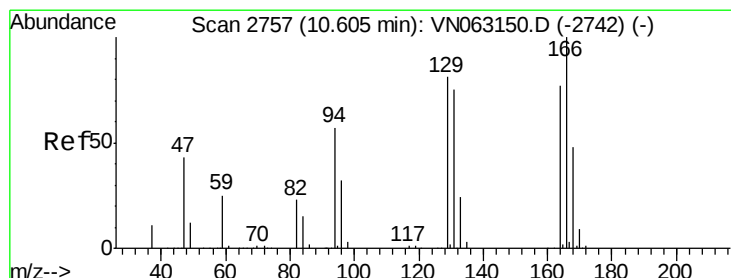
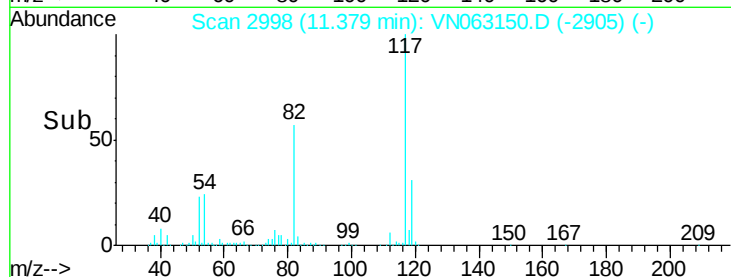
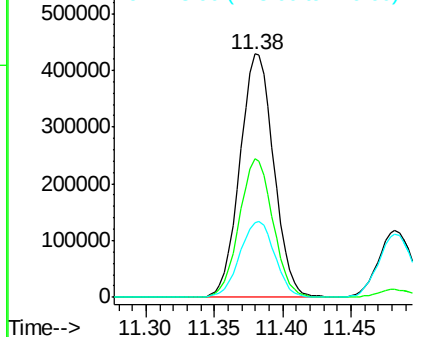


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 40.653 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	263324		
166	129.3		103.4	155.2
129	104.2		83.4	125.0
131	97.3		77.8	116.8

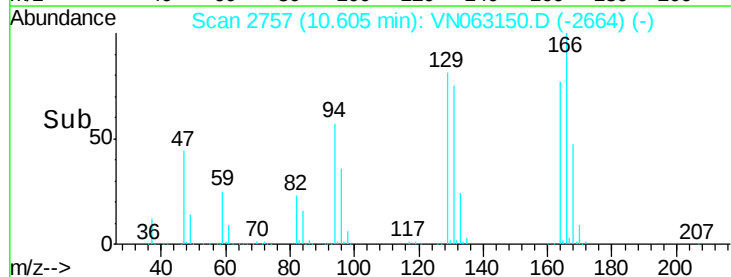
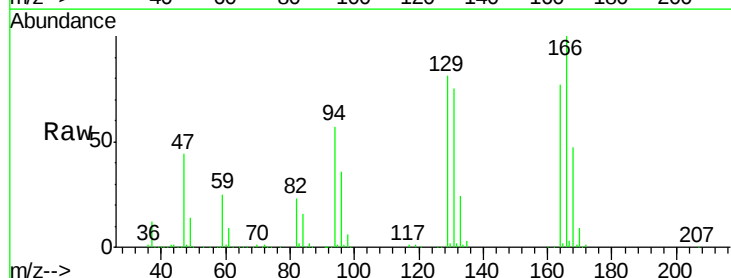
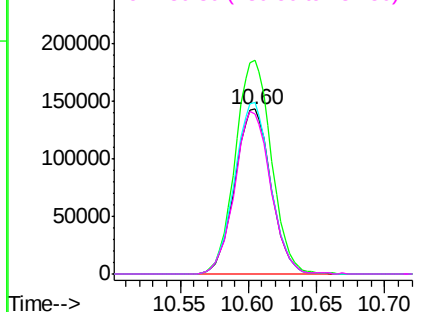
Abundance

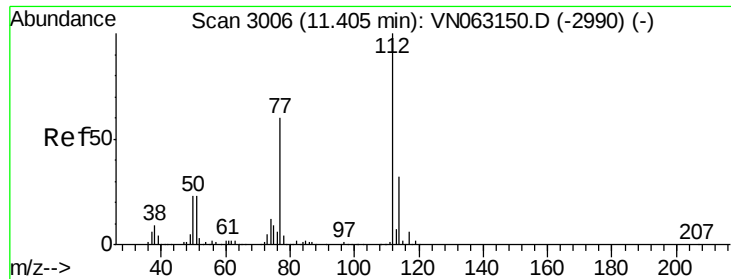
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





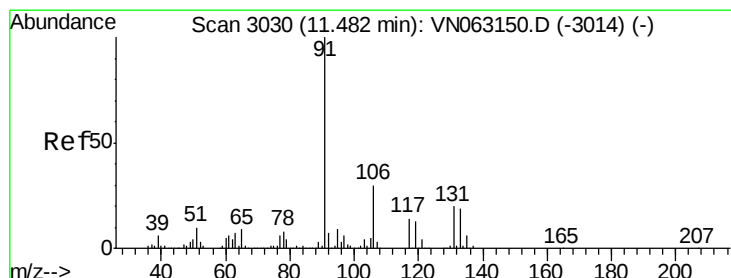
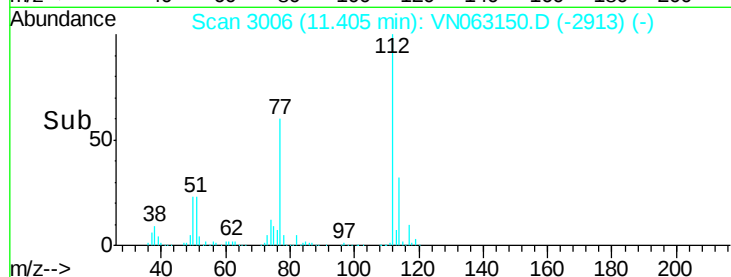
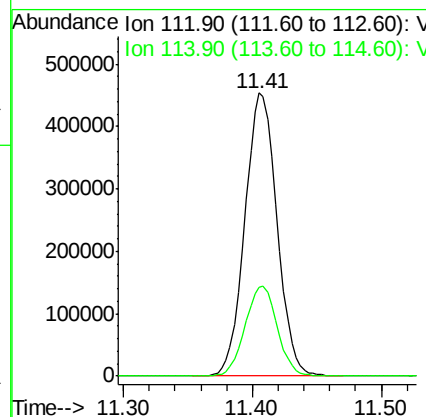
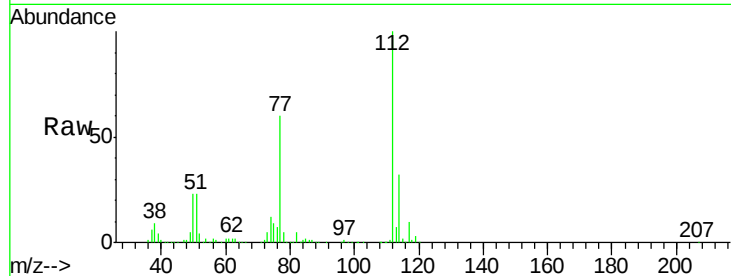
#65
Chlorobenzene
Concen: 43.209 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.2	37.8

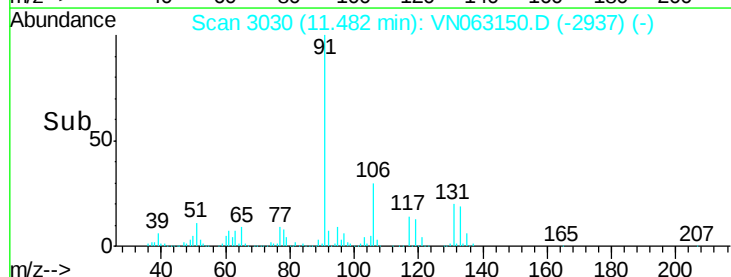
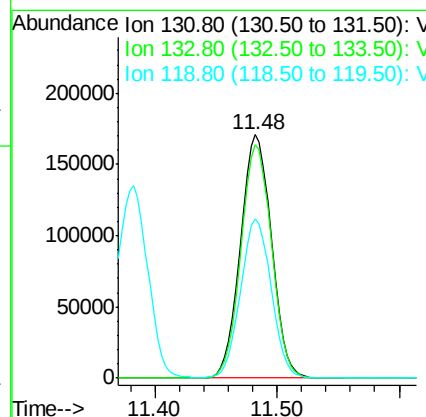
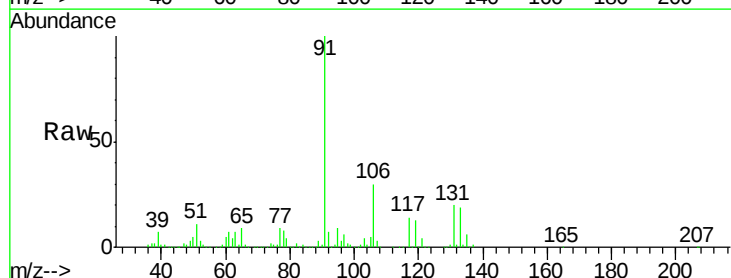
Manual Integrations
APPROVED

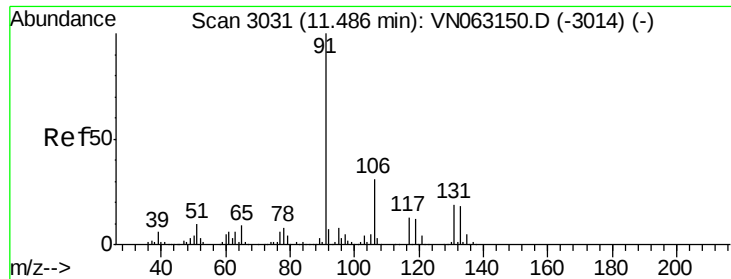
MMDadoda
9/1/2020 9:07:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 42.581 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	47.3	142.0
119	64.7	32.4	97.0





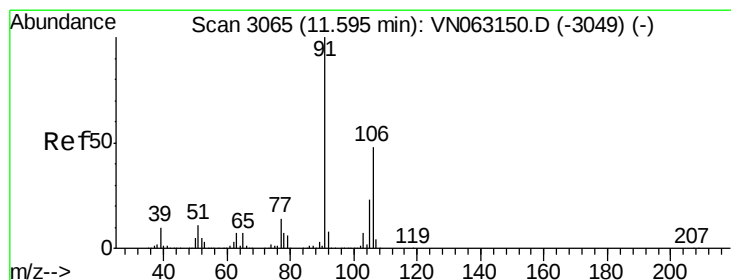
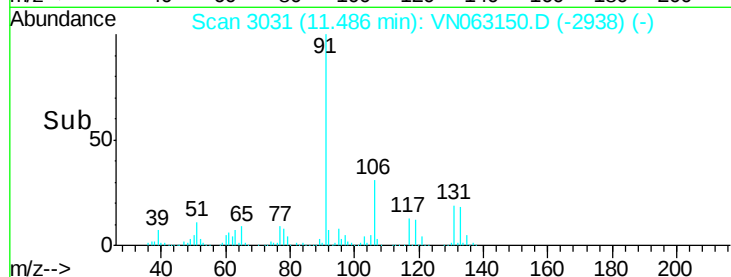
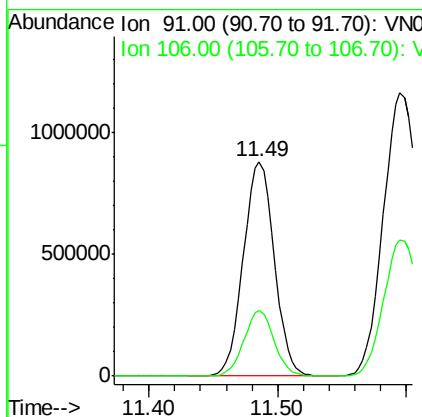
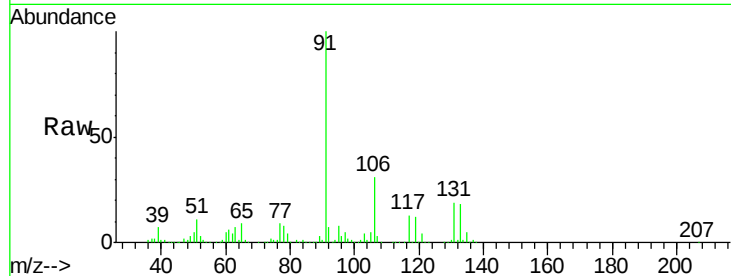
#67
Ethyl Benzene
Concen: 49.302 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1470546
Ion Ratio Lower Upper
91 100
106 30.5 24.4 36.6

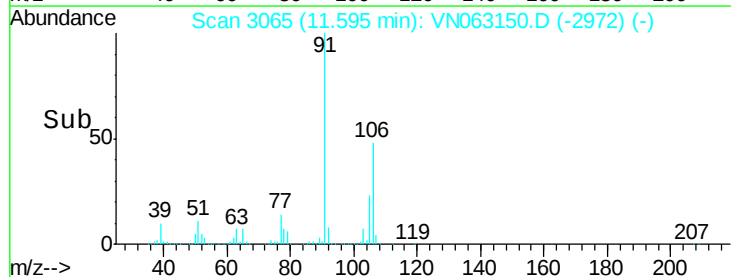
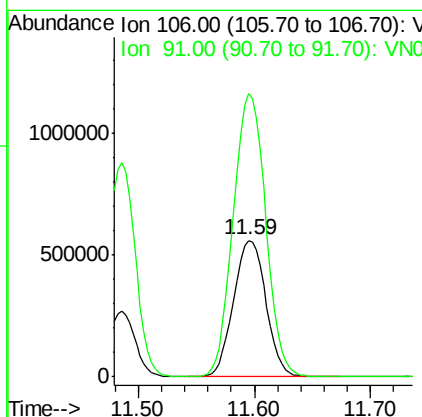
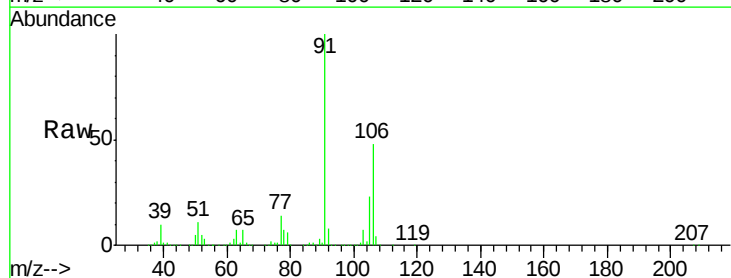
Manual Integrations
APPROVED

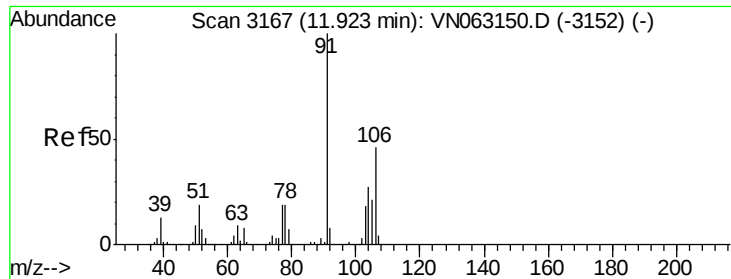
MMDadoda
9/1/2020 9:07:16 AM



#68
m/p-Xylenes
Concen: 96.713 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion: 106 Resp: 1081171
Ion Ratio Lower Upper
106 100
91 208.4 166.7 250.1





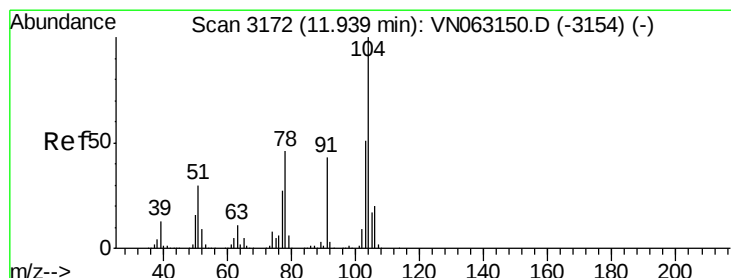
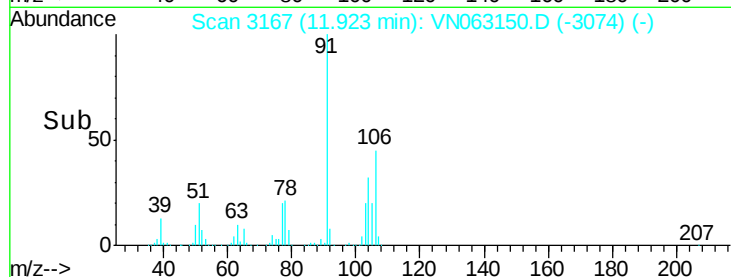
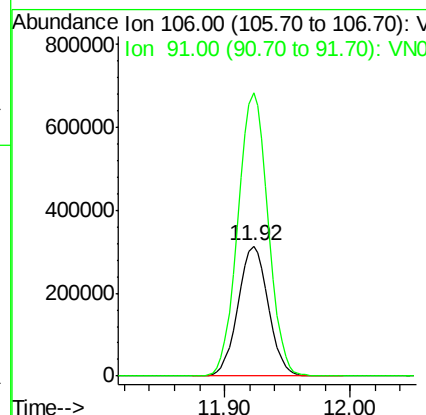
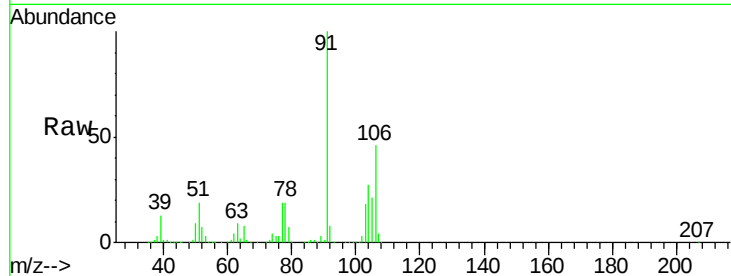
#69
o-Xylene
Concen: 48.771 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	217.1	108.6	525340	325.6	

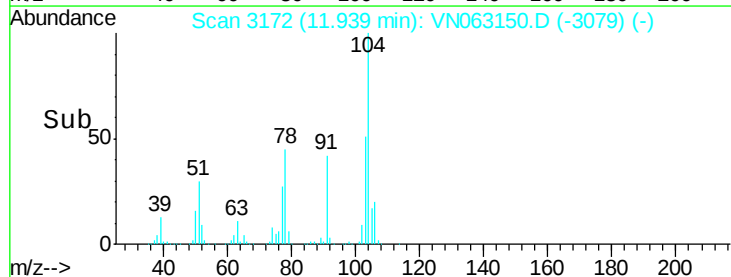
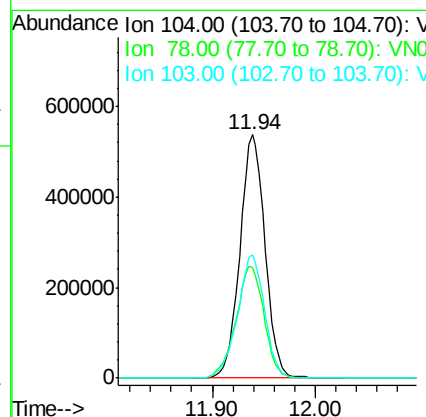
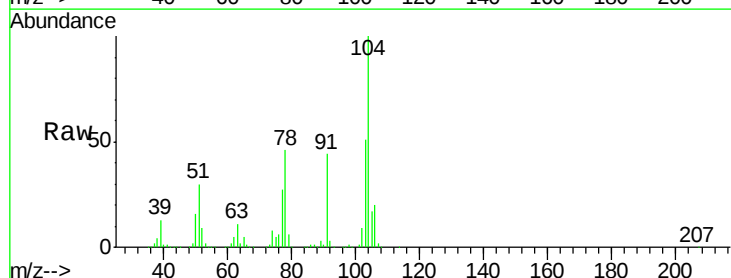
Manual Integrations
APPROVED

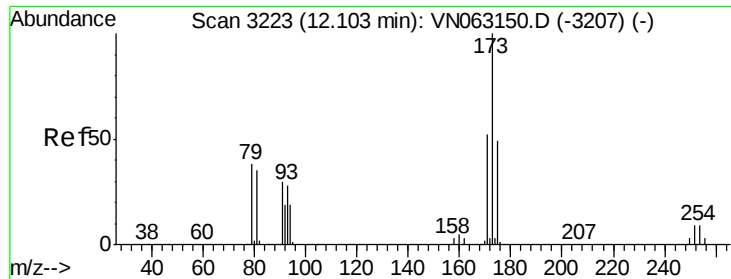
MMDadoda
9/1/2020 9:07:16 AM



#70
Styrene
Concen: 51.948 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	51.3	41.0	910845	61.6	
103	54.8	43.8		65.8	





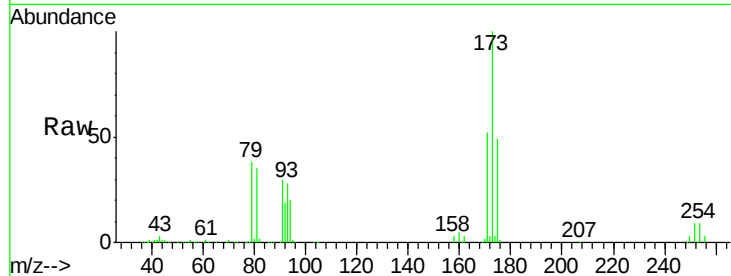
#71
Bromoform
Concen: 41.686 ug/l
RT: 12.10 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

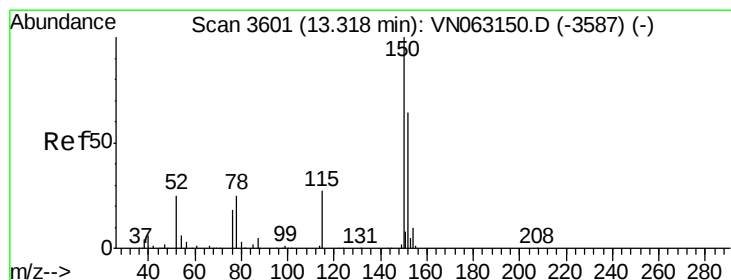
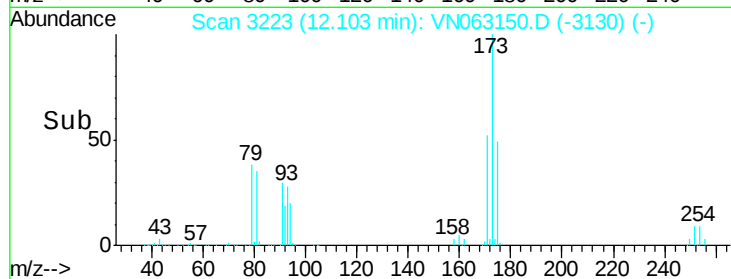
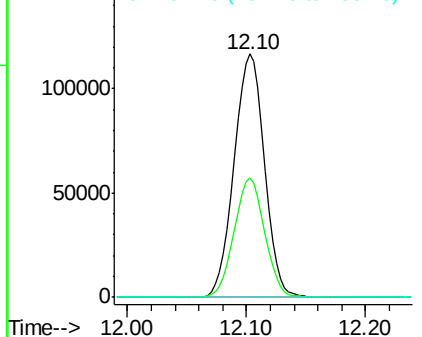
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	49.2	24.6	73.8		
254	0.0	0.0	0.0		

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM

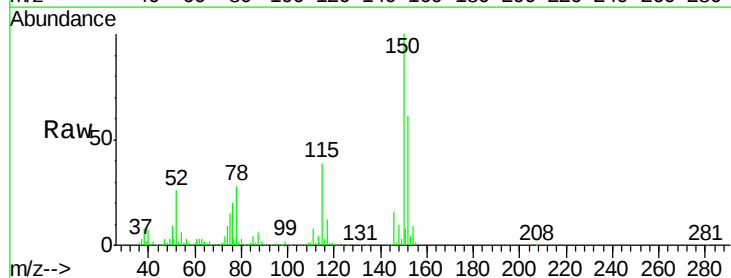


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

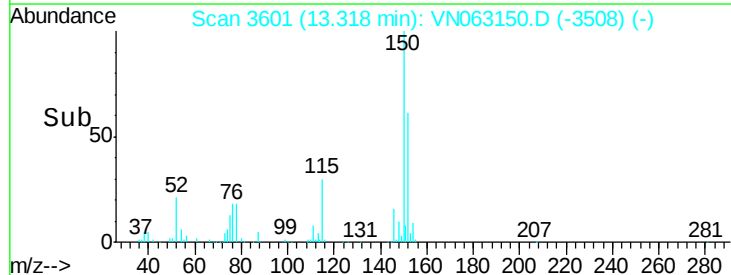
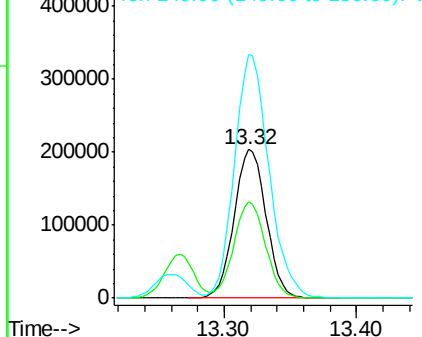


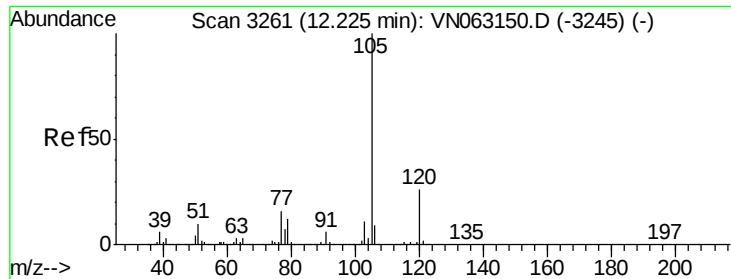
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	64.1	32.0	96.2		
150	176.5	0.0	353.0		



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.893 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1418214

Ion Ratio Lower Upper

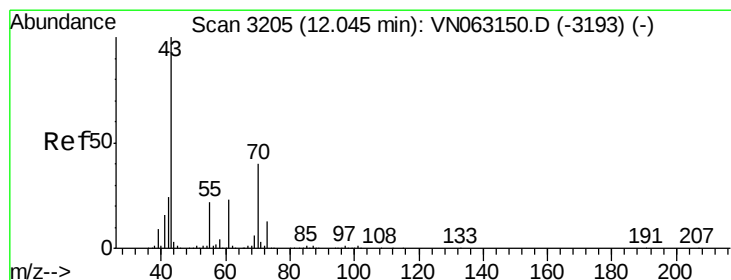
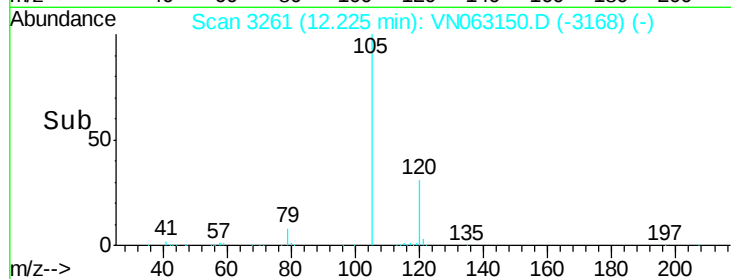
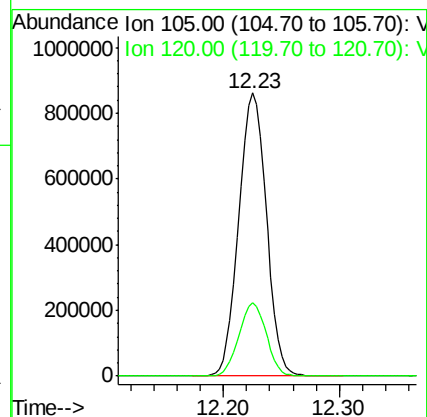
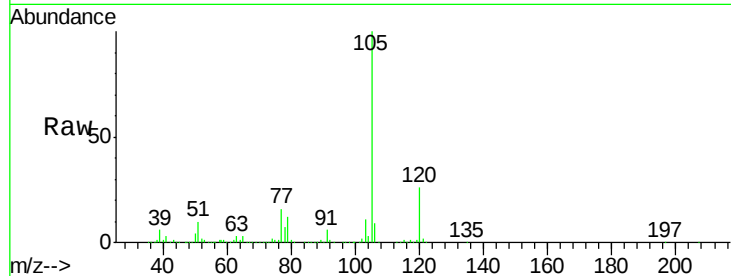
105 100

120 25.7 12.9 38.6

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



#74

N-ethyl acetate

Concen: 71.059 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Tgt Ion: 43 Resp: 607455

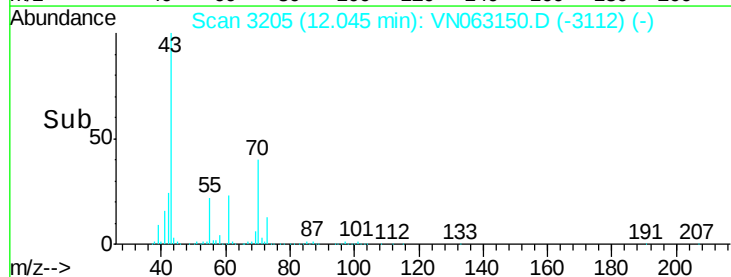
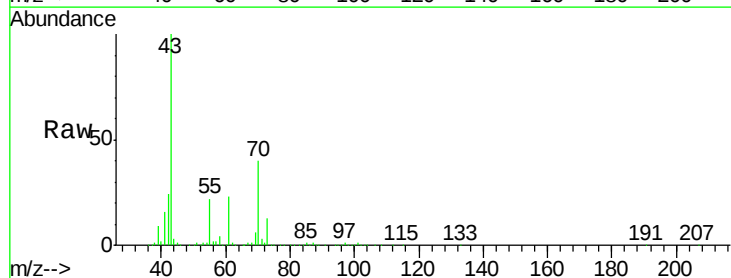
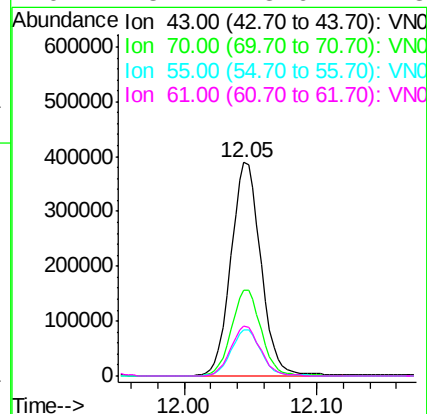
Ion Ratio Lower Upper

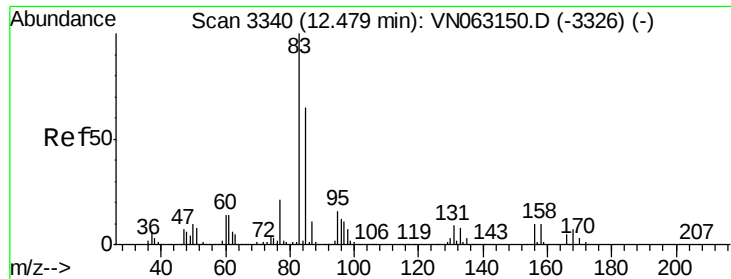
43 100

70 40.1 32.1 48.1

55 21.7 17.4 26.0

61 23.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 51.209 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 406653

Ion Ratio Lower Upper

83 100

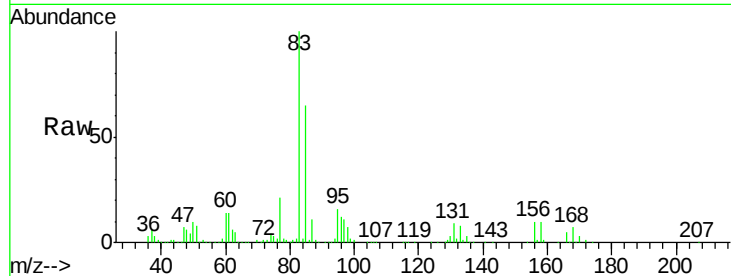
131 9.3 4.7 14.0

85 65.4 32.7 98.1

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 82.90 (82.60 to 83.60): VN063150.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN063150.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN063150.D (-3326) (-)

12.48

250000

200000

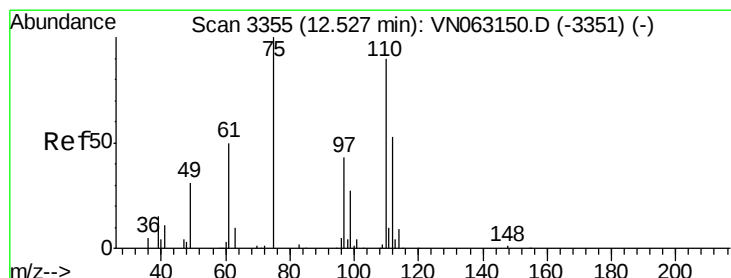
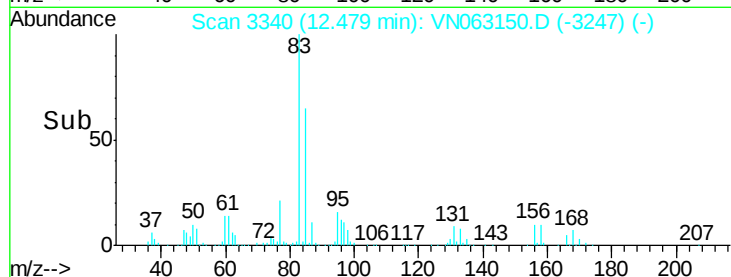
150000

100000

50000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 54.656 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063150.D

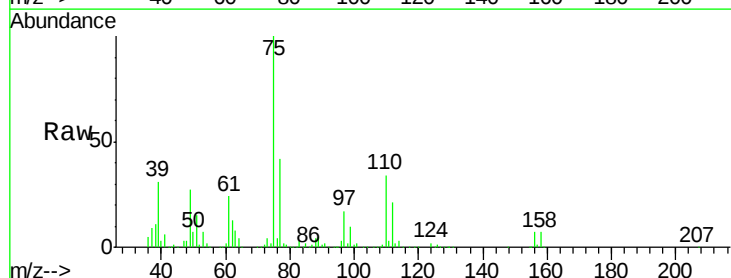
Acq: 31 Aug 2020 14:11

Tgt Ion: 75 Resp: 360395

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063150.D (-3351) (-)

Ion 77.00 (76.70 to 77.70): VN063150.D (-3351) (-)

400000

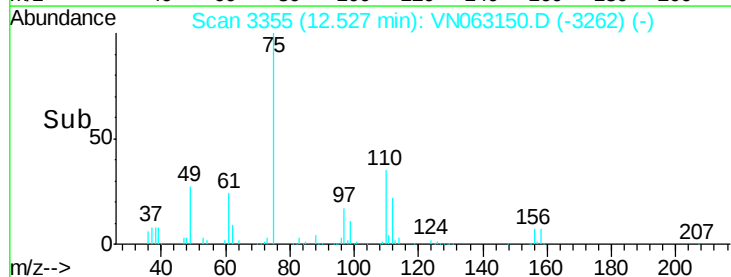
300000

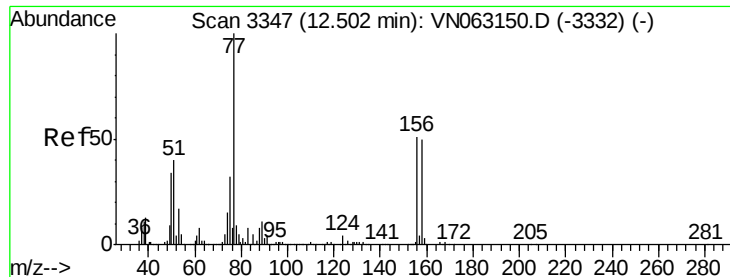
200000

100000

0

Time-->





#77

Bromobenzene

Concen: 44.127 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:156 Resp: 311945

Ion Ratio Lower Upper

156 100

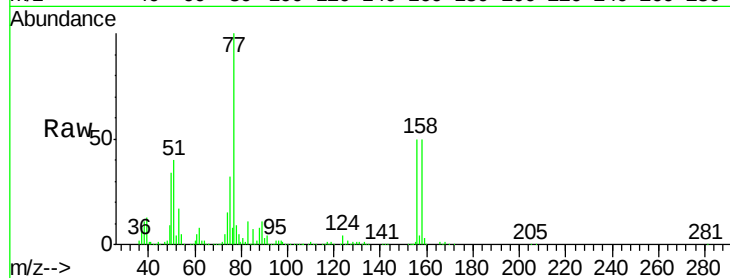
77 232.2 116.1 348.3

158 97.6 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

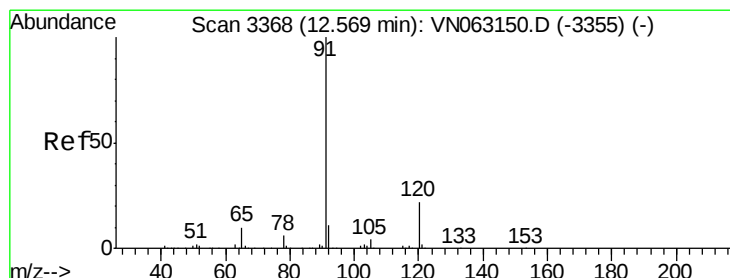
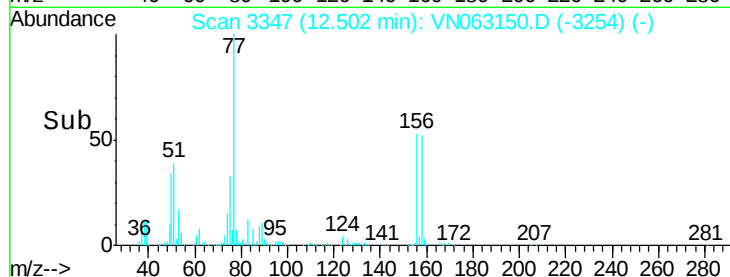
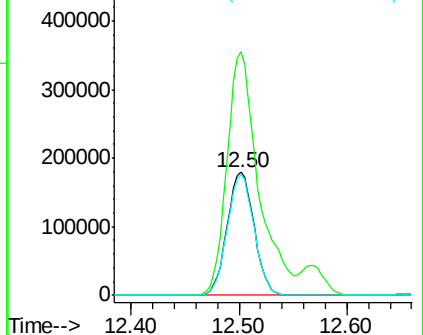
9/1/2020 9:07:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.505 ug/l

RT: 12.57 min Scan# 3368

Delta R.T. 0.00 min

Lab File: VN063150.D

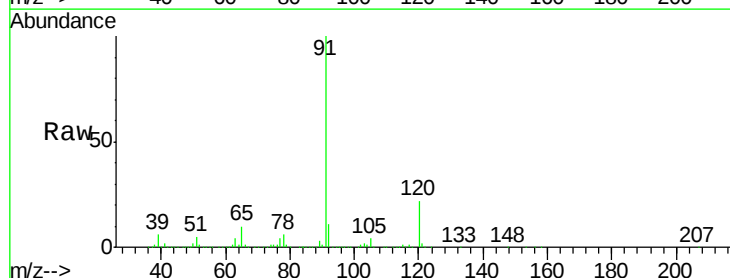
Acq: 31 Aug 2020 14:11

Tgt Ion: 91 Resp: 1663944

Ion Ratio Lower Upper

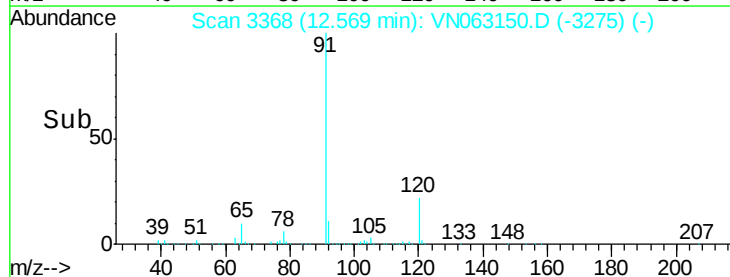
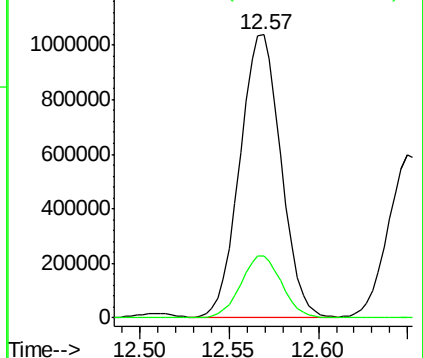
91 100

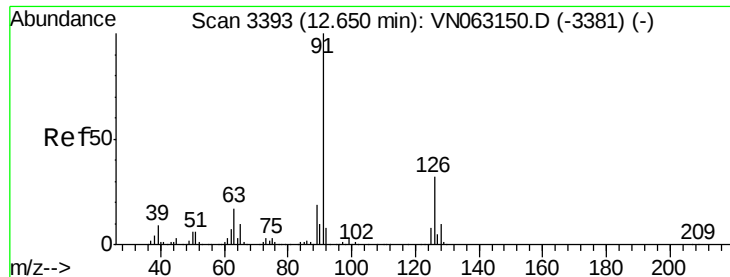
120 21.8 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.023 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 91 Resp: 972890

Ion Ratio Lower Upper

91 100

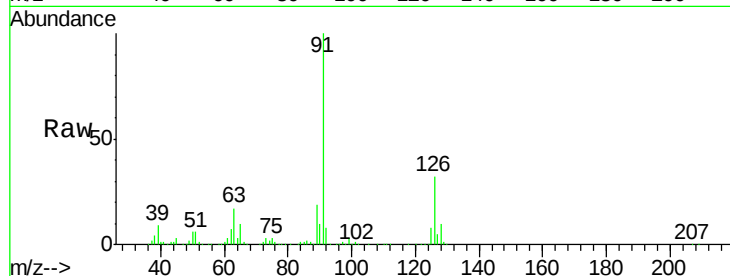
126 32.2 16.1 48.3

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3381) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3381) (-)

1000000

800000

600000

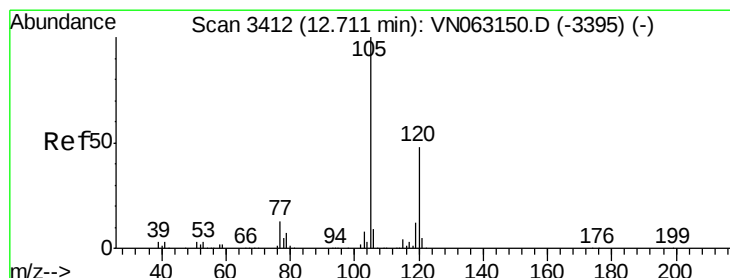
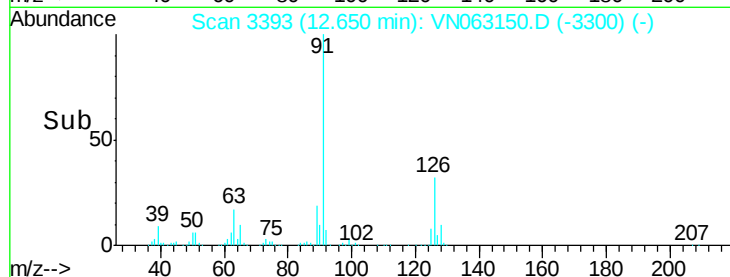
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 55.674 ug/l

RT: 12.71 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN063150.D

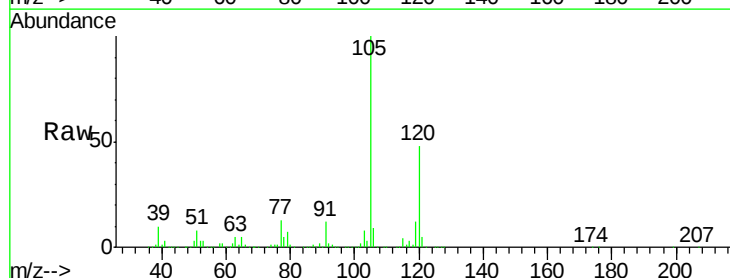
Acq: 31 Aug 2020 14:11

Tgt Ion:105 Resp: 1173724

Ion Ratio Lower Upper

105 100

120 48.4 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): VN063150.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN063150.D (-3395) (-)

800000

600000

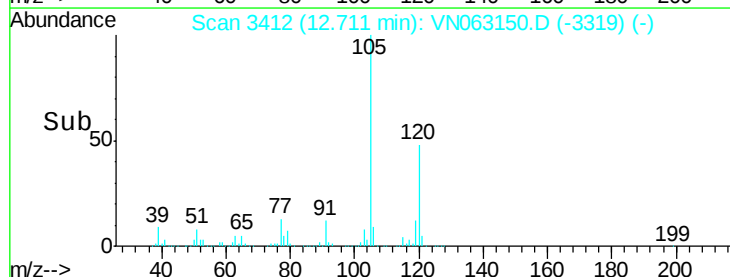
400000

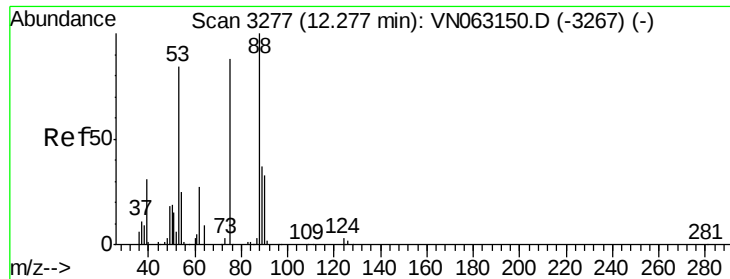
200000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 67.624 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 149023

Ion Ratio Lower Upper

75 100

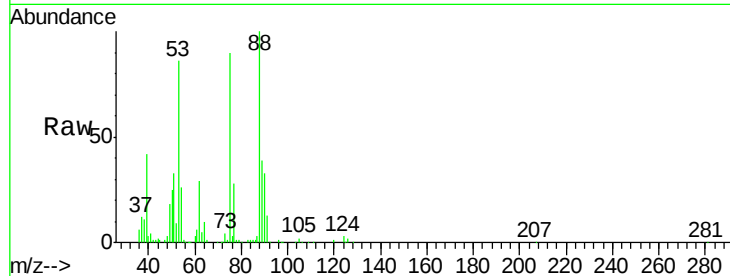
53 98.4 78.7 118.1

89 44.1 35.3 52.9

Manual Integrations
APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 74.90 (74.60 to 75.60): VN063150.D (-3267) (-)

Ion 53.00 (52.70 to 53.70): VN063150.D (-3267) (-)

Ion 88.90 (88.60 to 89.60): VN063150.D (-3267) (-)

120000

100000

80000

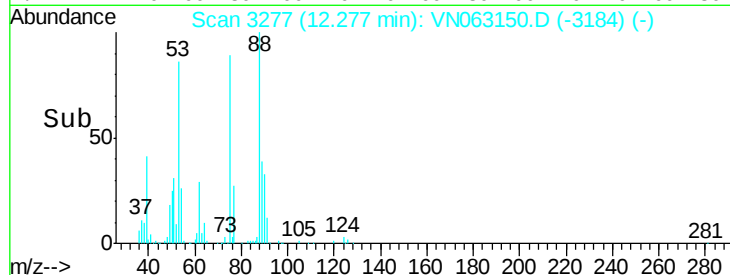
60000

40000

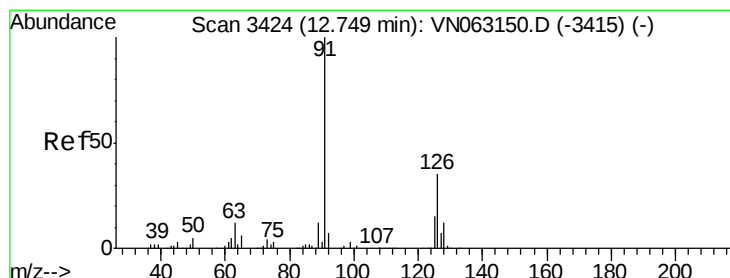
20000

0

12.25 12.30 12.35



Time-->



#82

4-Chlorotoluene

Concen: 54.893 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063150.D

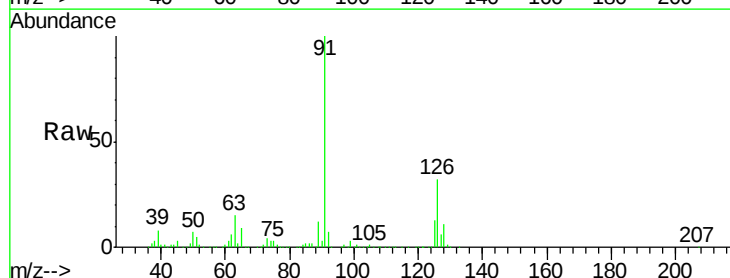
Acq: 31 Aug 2020 14:11

Tgt Ion: 91 Resp: 1014132

Ion Ratio Lower Upper

91 100

126 32.3 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN063150.D (-3415) (-)

Ion 125.90 (125.60 to 126.60): VN063150.D (-3415) (-)

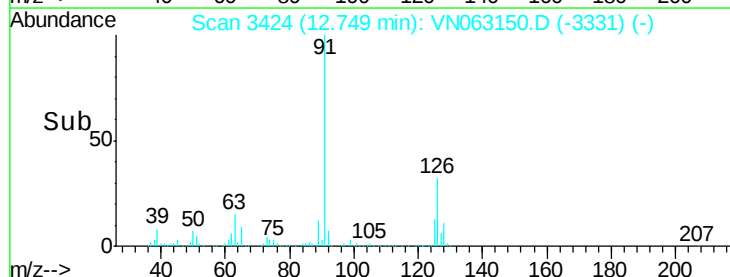
600000

400000

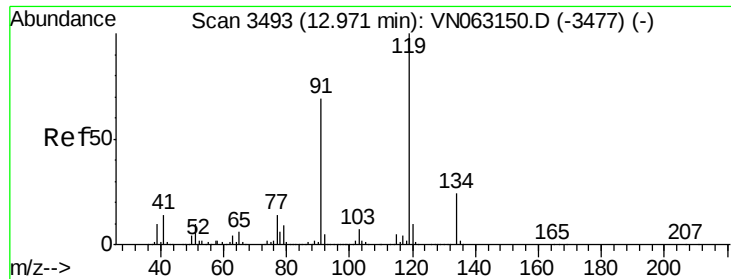
200000

0

12.70 12.75 12.80



Time-->



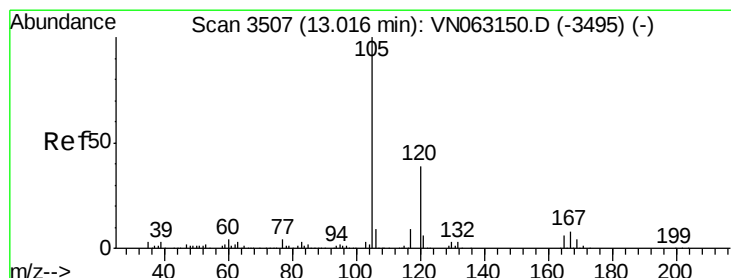
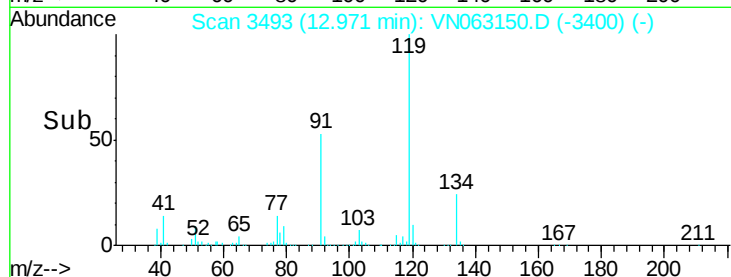
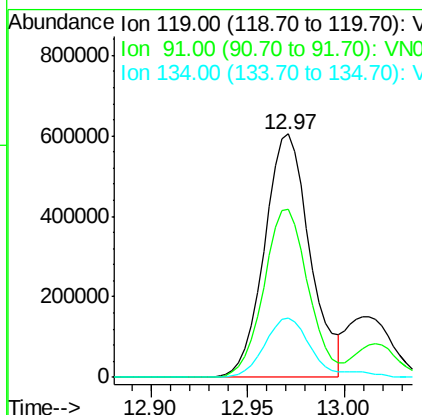
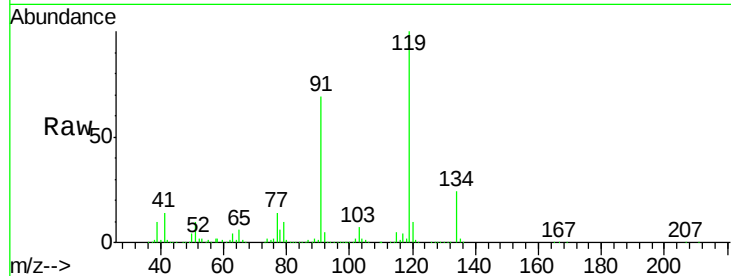
#83
tert-Butylbenzene
Concen: 53.872 ug/l
RT: 12.97 min Scan# 3493
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.7	101.0
134	24.0	12.0	36.0

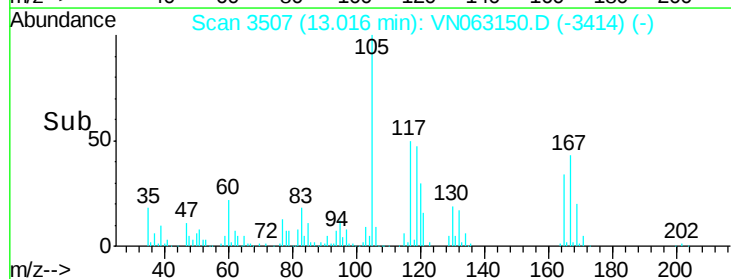
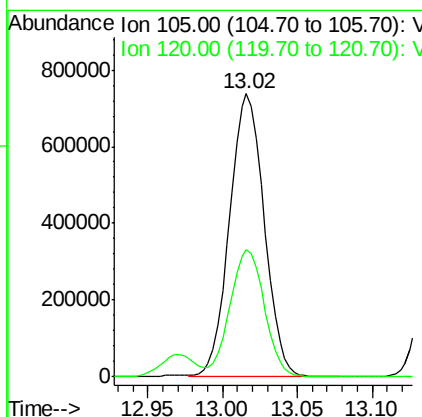
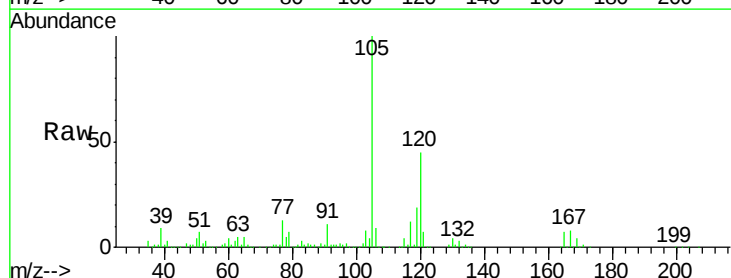
Manual Integrations
APPROVED

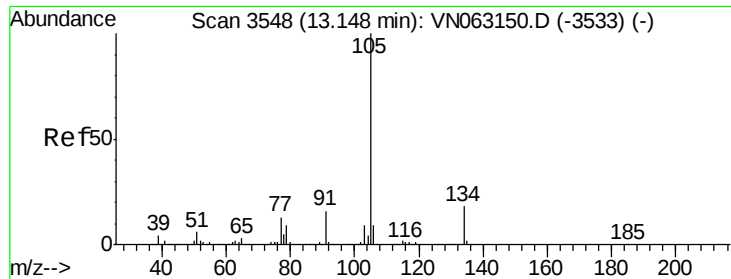
MMDadoda
9/1/2020 9:07:16 AM



#84
1,2,4-Trimethylbenzene
Concen: 55.697 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 55.087 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1344996

Ion Ratio Lower Upper

105 100

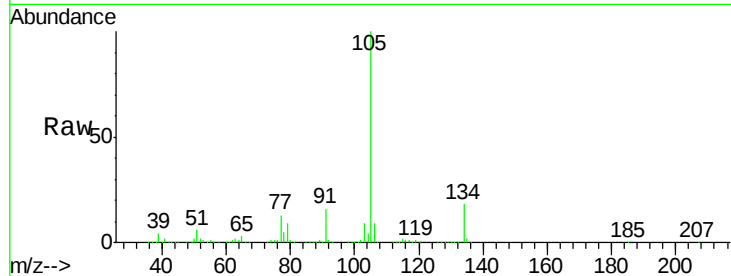
134 18.9 9.4 28.3

Manual Integrations

APPROVED

MMDadoda

9/1/2020 9:07:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

800000

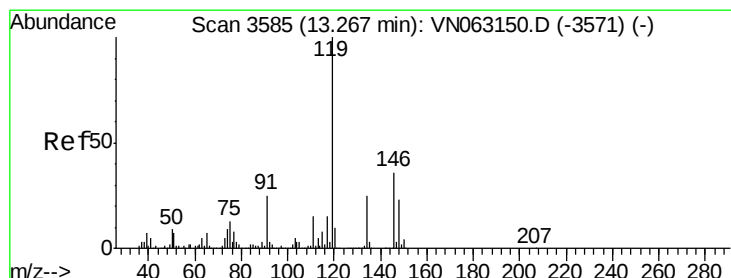
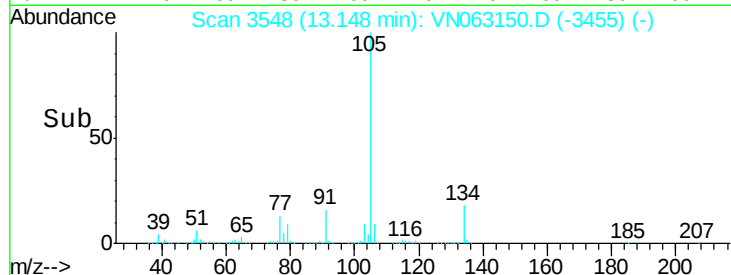
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 57.655 ug/l

RT: 13.27 min Scan# 3585

Delta R.T. 0.00 min

Lab File: VN063150.D

Acq: 31 Aug 2020 14:11

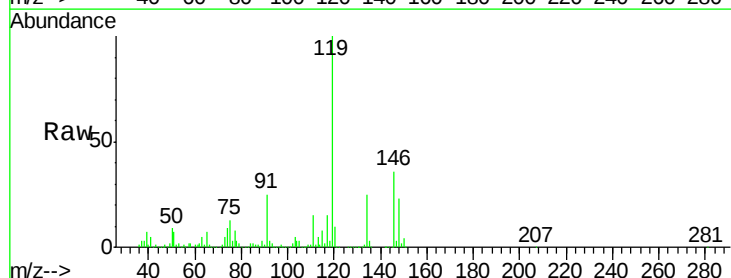
Tgt Ion:119 Resp: 1207289

Ion Ratio Lower Upper

119 100

134 24.9 12.4 37.4

91 24.4 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.27

800000

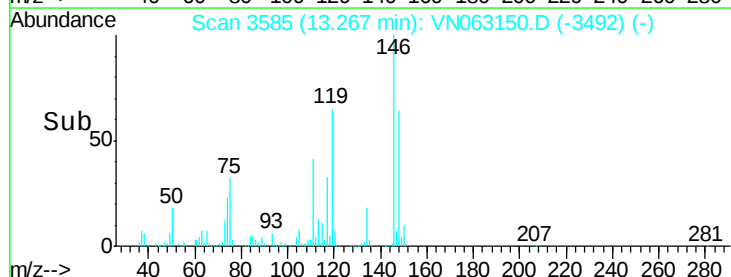
600000

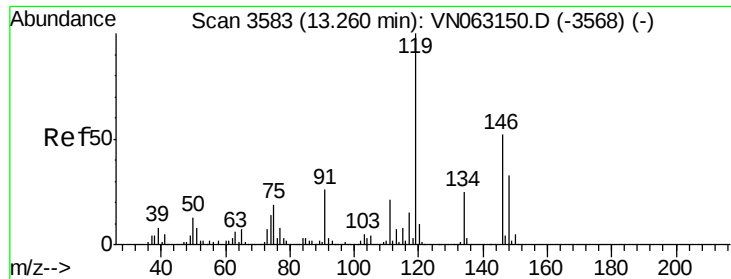
400000

200000

0

Time-->





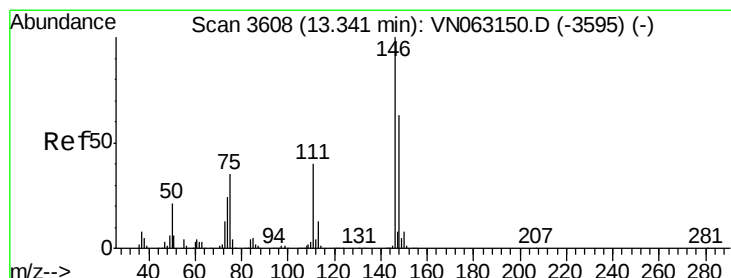
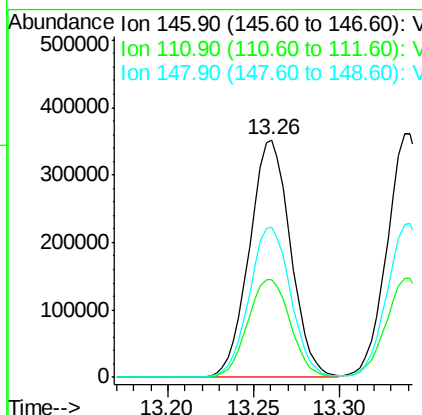
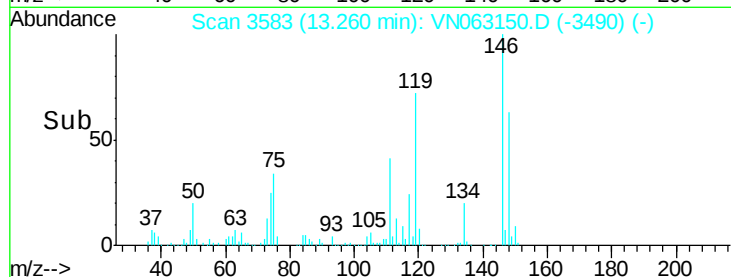
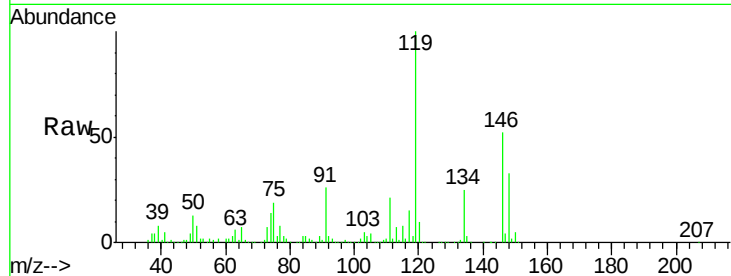
#87
 1,3-Dichlorobenzene
 Concen: 47.105 ug/l
 RT: 13.26 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.3	63.7
148	63.9	31.9	95.9

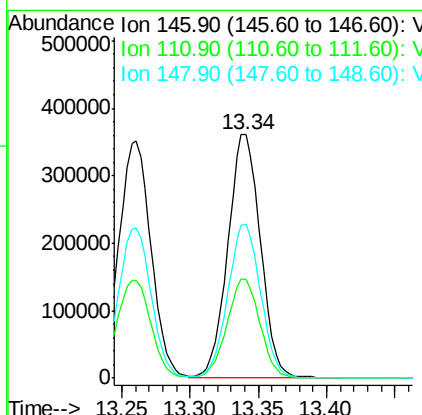
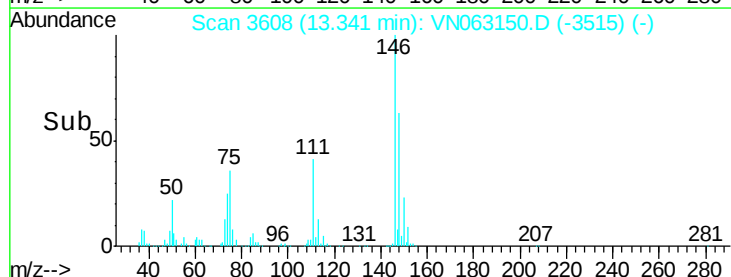
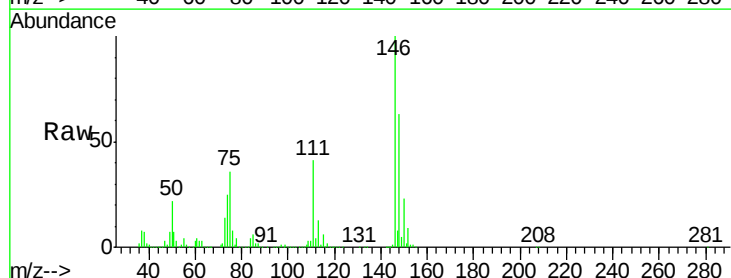
Manual Integrations
 APPROVED

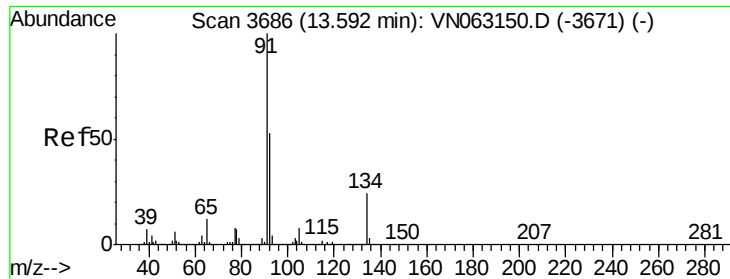
MMDadoda
 9/1/2020 9:07:16 AM



#88
 1,4-Dichlorobenzene
 Concen: 47.679 ug/l
 RT: 13.34 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.5	61.5
148	63.8	31.9	95.7





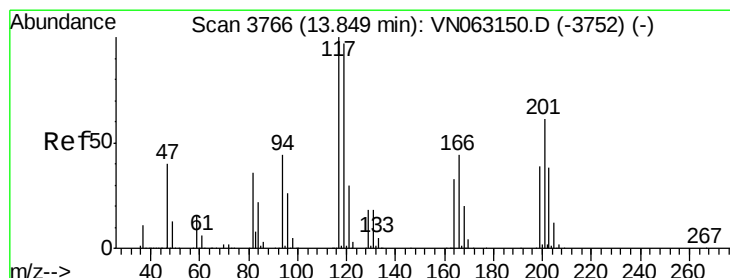
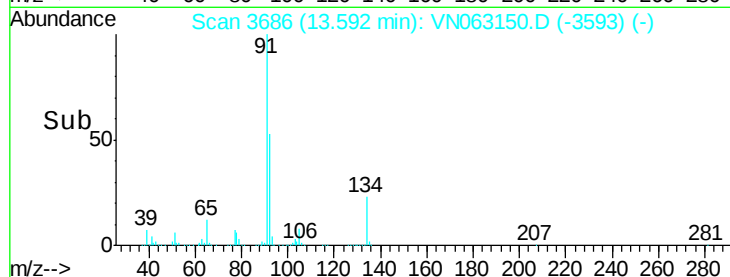
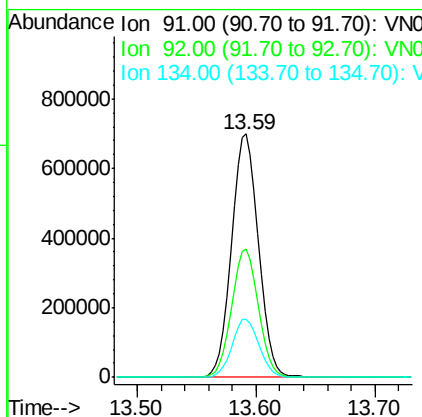
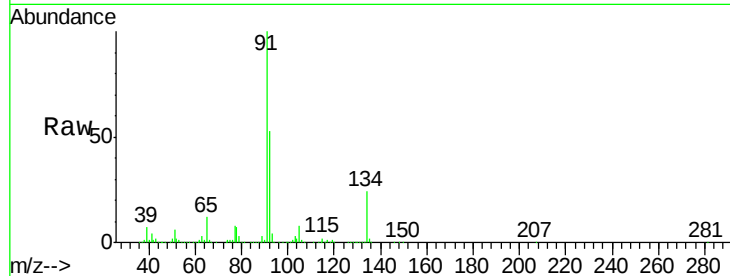
#89
n-Butylbenzene
Concen: 62.146 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.3	78.8
134	24.0	12.0	36.0

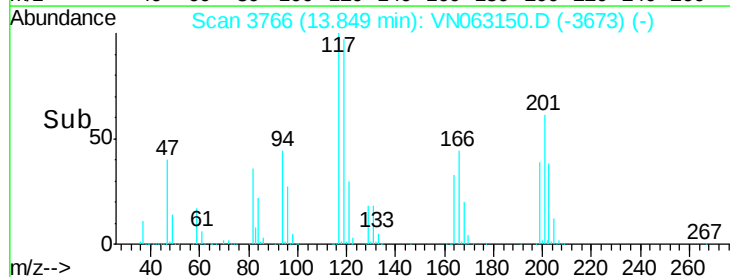
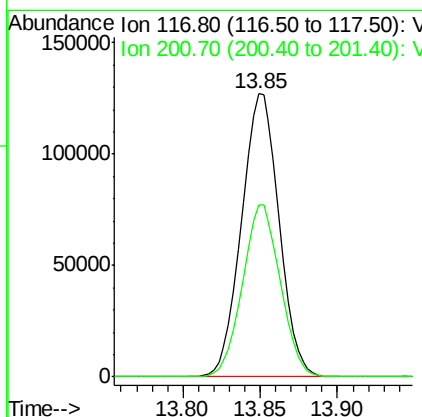
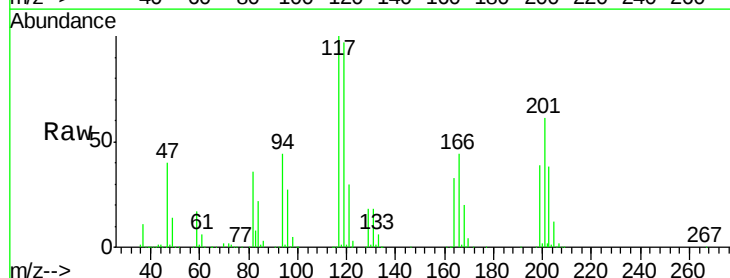
Manual Integrations
APPROVED

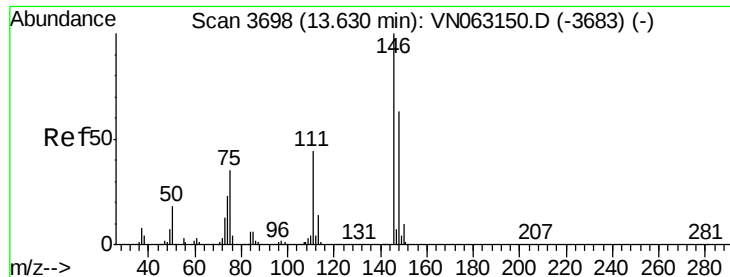
MMDadoda
9/1/2020 9:07:16 AM



#90
Hexachloroethane
Concen: 46.170 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.3	30.6	92.0





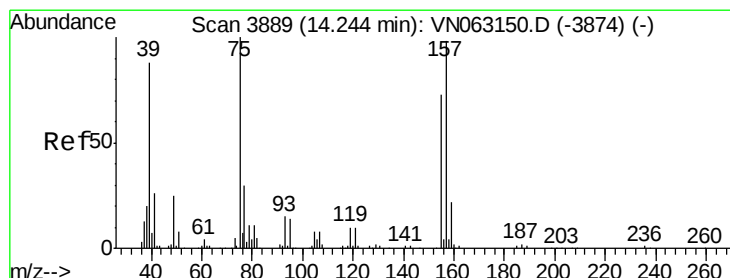
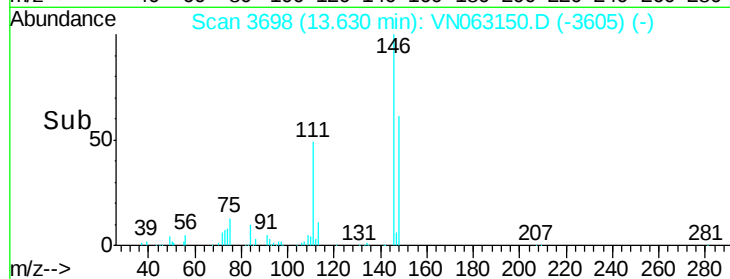
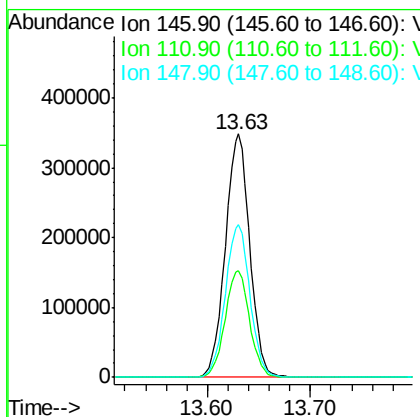
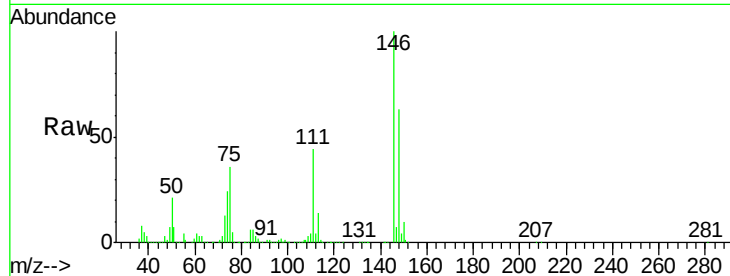
#91
 1,2-Dichlorobenzene
 Concen: 47.131 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.0	66.0
148	63.3	31.6	95.0

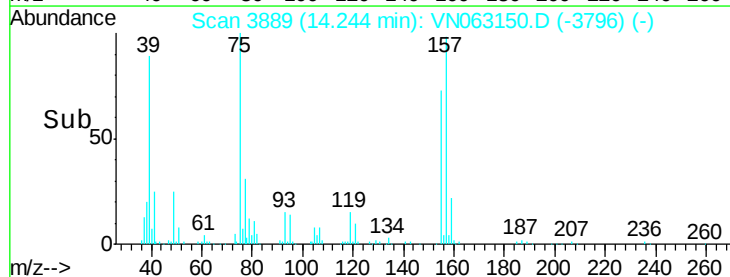
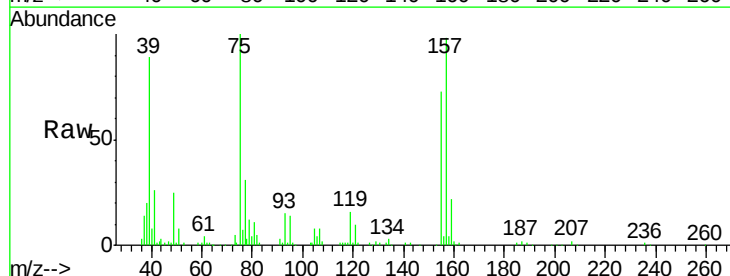
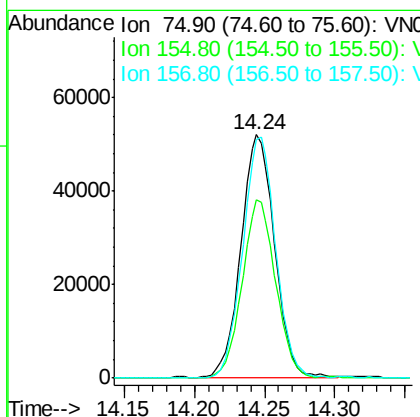
Manual Integrations
 APPROVED

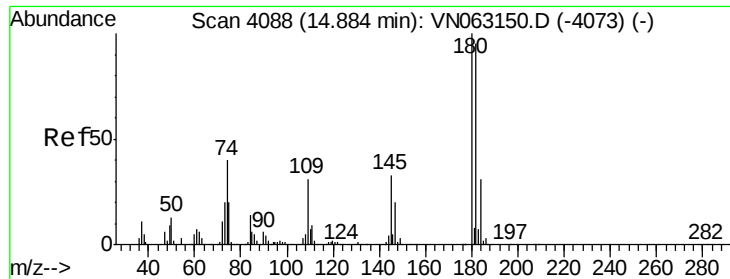
MMDadoda
 9/1/2020 9:07:16 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 66.900 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.3	36.1	108.5
157	96.7	48.4	145.0





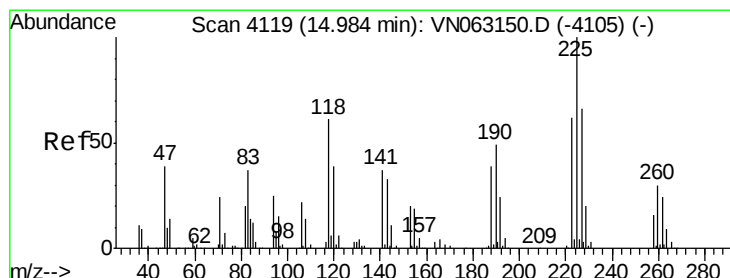
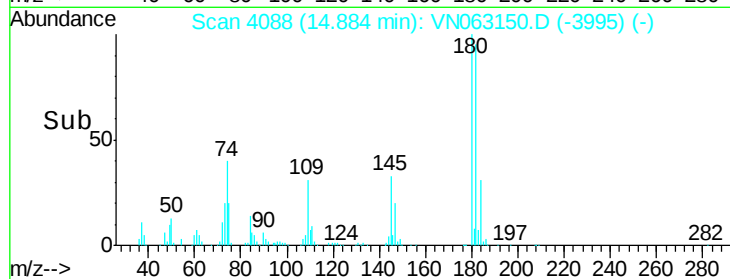
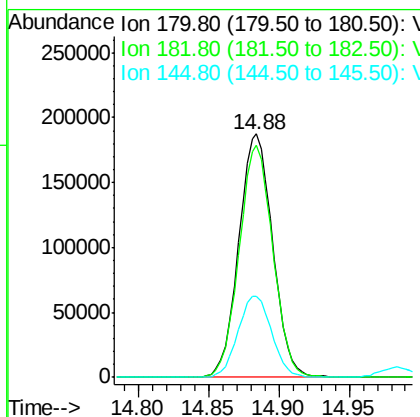
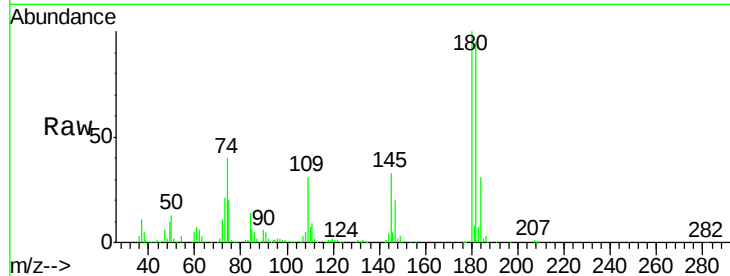
#93
 1,2,4-Trichlorobenzene
 Concen: 55.796 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	315531		
182	95.0	47.5	142.5	
145	33.2	16.6	49.8	

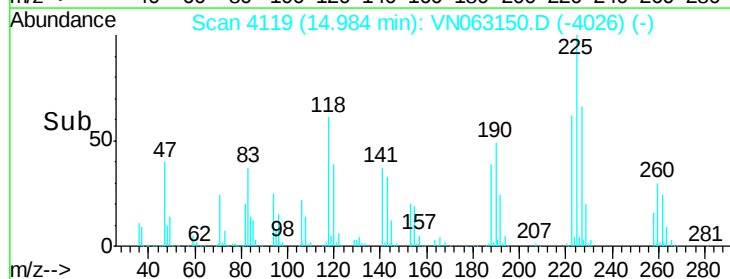
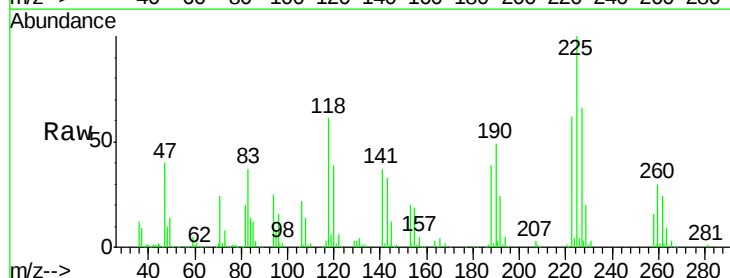
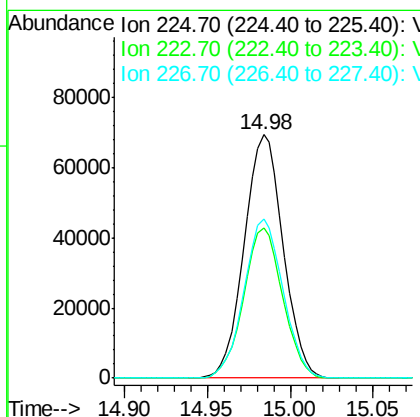
Manual Integrations
 APPROVED

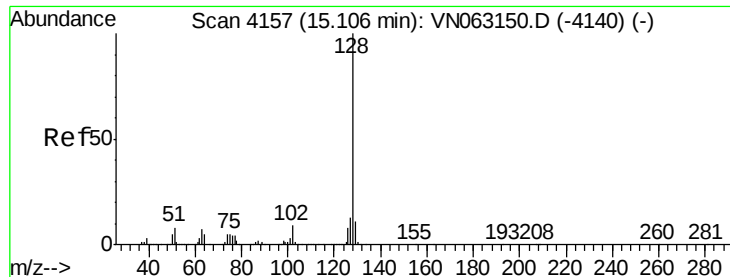
MMDadoda
 9/1/2020 9:07:16 AM



#94
 Hexachlorobutadiene
 Concen: 29.721 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063150.D
 Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	113131		
223	61.8	30.9	92.7	
227	65.8	32.9	98.7	





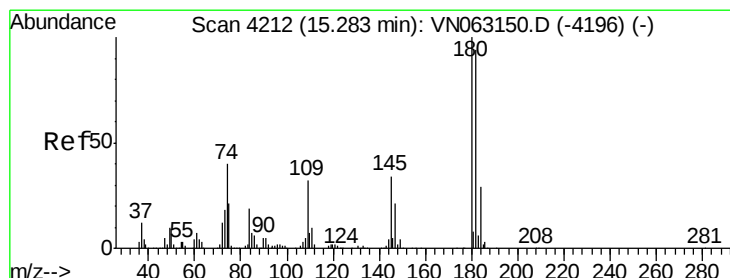
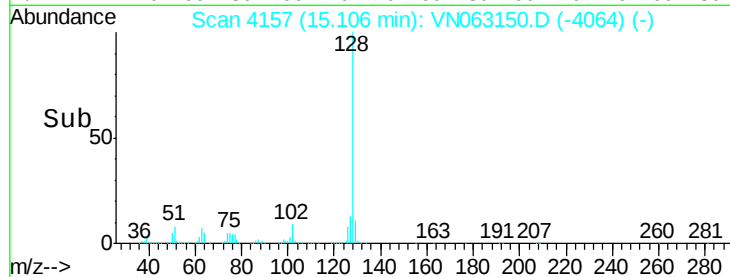
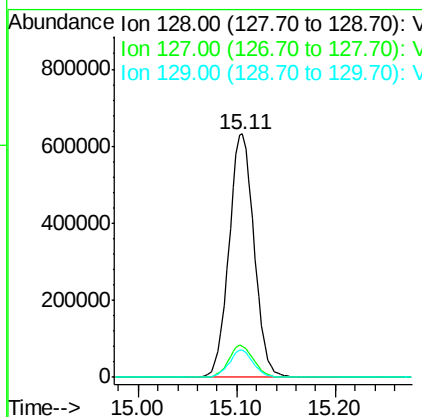
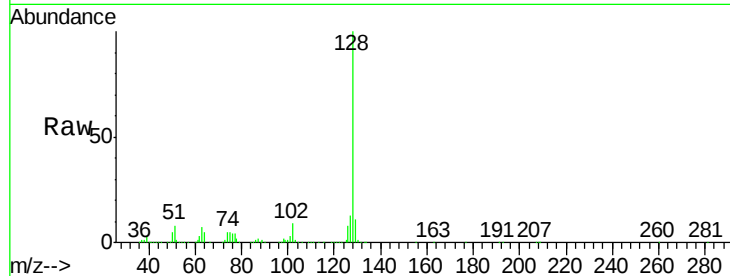
#95
Naphthalene
Concen: 81.454 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/1/2020 9:07:16 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.343 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063150.D
Acq: 31 Aug 2020 14:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.5	142.5
145	34.7	17.3	52.0

